BIRTHS AND DEATHS TO MANITOBANS

A REGIONAL ANALYSIS

2005

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Manitoba

EXECUTIVE SUMMARY

LIVE BIRTHS

There were 14,009 live births in Manitoba during 2005. Of these, 7,158 (51.1%) were to Winnipeg women. The North region had the highest birth rate with 21.6 births per thousand population, followed by the South Central, Southeast and North Central regions with a birth rate of 14.5, 12.4 and 12.2 respectively. The lowest birth rates were in the Interlake and Parklands regions, with rates of 9.1 and 9.7 respectively. Winnipeg had a birth rate of 11.0 while Manitoba's birth rate was 11.9 births per thousand population during 2005.

There were 6,908 (49.3%) female births and 7,101 (50.7%) male births. For every thousand females in the population there were 11.7 female births, compared to 12.1 male births for every thousand males in the population. Only the Southeast and South Central regions recorded higher numbers of female births than male births in 2005.

DEATHS

There were 9,773 deaths in Manitoba during 2005: 5,468 (56.0%) occurred to Winnipeg residents: the Winnipeg death rate 8.4 per thousand Winnipeg residents. The regions with the highest death rates were the Parklands and Southwest regions with 12.1 and 10.2 deaths per thousand population. The North region had the lowest death rate with 6.2, followed by the Southeast with a rate of 6.8. The death rate for Manitoba was 8.3.

There were 4,959 (50.7%) female deaths, compared to 4,813 (49.2%) male deaths. The male death rate was higher than the female death rate in six of Manitoba's eight Economic Regions: the Southwest and Winnipeg regions had a higher female death rate than the male death rate. At the Manitoba level, the female and male death rates were 8.4 and 8.2 respectively.

STILLBIRTHS

The number of stillbirths in Manitoba in 2005 was 112. Of these stillbirths, 61 (54.5%) occurred to Winnipeg residents. The North had the second highest number with 22 (19.6%) stillbirths, followed by the Southwest and North Central with 8 (7.1%) and the South Central region with 7 (6.3%) stillbirths. The Southeast region recorded 4 stillbirths, while the Interlake and Parklands regions both reported one stillbirth during 2005. The Manitoba stillbirth rate was 8.0 per thousand live births.

The rate of female stillbirth was 7.5 per thousand female live births and the rate of male stillbirth was 8.4 per thousand male live births.

NATURAL INCREASE

In 2005, Manitoba had a net population gain of 4,236 persons due to natural increase. Manitoba's rate of natural increase in 2005 was 3.6 persons per thousand population. The Parklands region was the only region to register more deaths than births and had a rate of natural increase of -2.4 persons per thousand. The North region had the greatest rate of natural increase, that being 15.4, followed by South Central with 7.3 and the Southeast with a rate of 5.6; Winnipeg had a rate of natural increase of 2.6 per thousand Winnipeg residents.

Natural increase rates at the Manitoba level were 3.3 females per thousand and 3.9 males per thousand. Rates in Winnipeg were 1.8 females per thousand and 3.4 males per thousand.

1994 to 2005:

For the 1994 to 2005 period, the number of births to Manitoba women decreased from 16,438 in 1994 to 13,729 in 2004 and rebounded to 14,009 in 2005. The number of births decreased by approximately 220 births per year during that time span. During that same time period, the total Manitoba population went from 1,123,200 to 1,177,600: even with the 4.9% population increase, the Manitoba birth rate fell from 14.6 births per thousand population in 1994 to 11.9 births per thousand population in the 2005 calendar year. It is interesting to note that the 13,729 Manitoba births registered with Vital Statistics for the 2004 calendar year was at its lowest level since 1939, before climbing to 14,009 in 2005.

The number of deaths to Manitoba residents increased from 9,097 in 1994 to 9,773 in 2005. The number of deaths increased by less than 70 deaths per year during this time period. The number of deaths due to cancer and heart disease decreased slightly between 1994 and 2005: 5,009 in 1994 and 4,783 in 2005. The percentage of deaths due to cancer or heart disease as a percent of total deaths went from 55.1% in 1994 to 48.9% in 2005. The Manitoba resident death rate increased from 8.1 per thousand population in 1994 to 8.3 per thousand in 2005.

The gain in population due to natural increase (births minus deaths) went from 7,341 in 1994 to 4,236 in 2005: this 42 percent drop was the result of declining number of births and increasing number of deaths. The natural increase rate went from 6.5 per thousand population in 1994 to 3.6 per thousand in 2005.

The average number of infant deaths (under one year of age) was101 during the 1994 to 2005 period: from a high of 117 in 1999 to a low of 89 in the 2000 and 2001 calendar years. There were 91 Manitoba infant deaths during the 2005 calendar year.

The following table and charts summarise the births and deaths for the 1994 to 2005 calendar years.

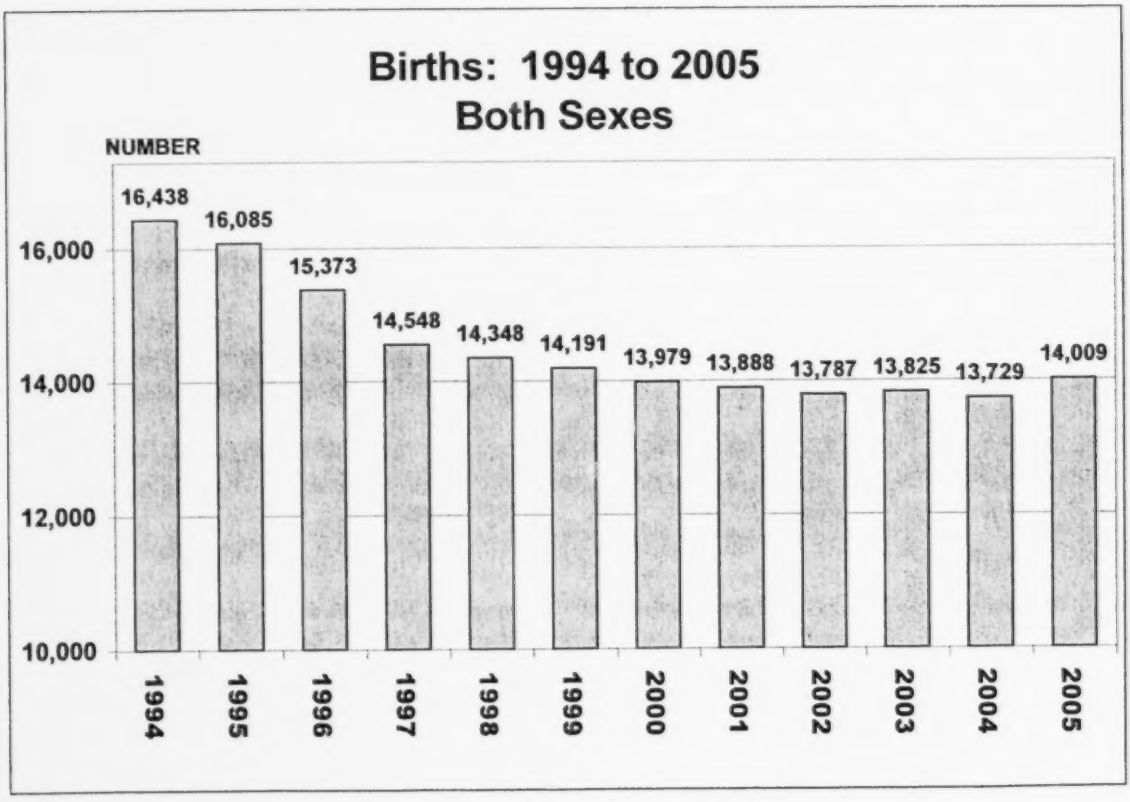
NOTE: The regional population estimates used in this publication are preliminary postcensal estimates for Census Divisions released earlier this year.

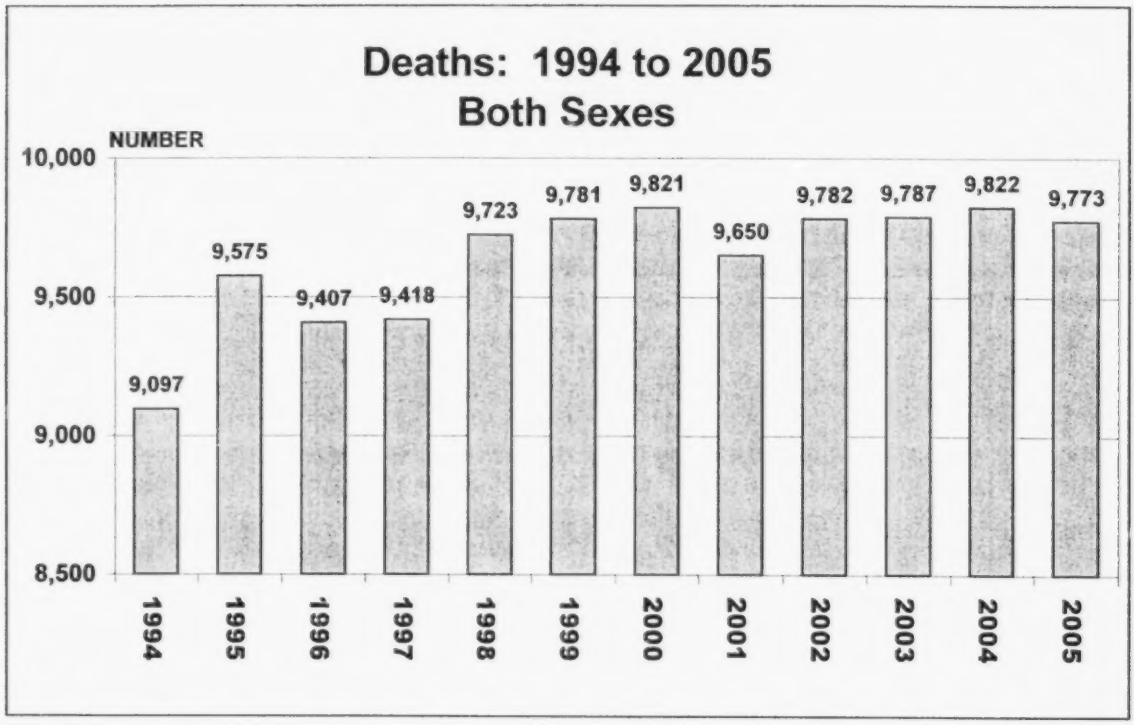
MANITOBA VITAL STATISTICS: 1994 TO 2005

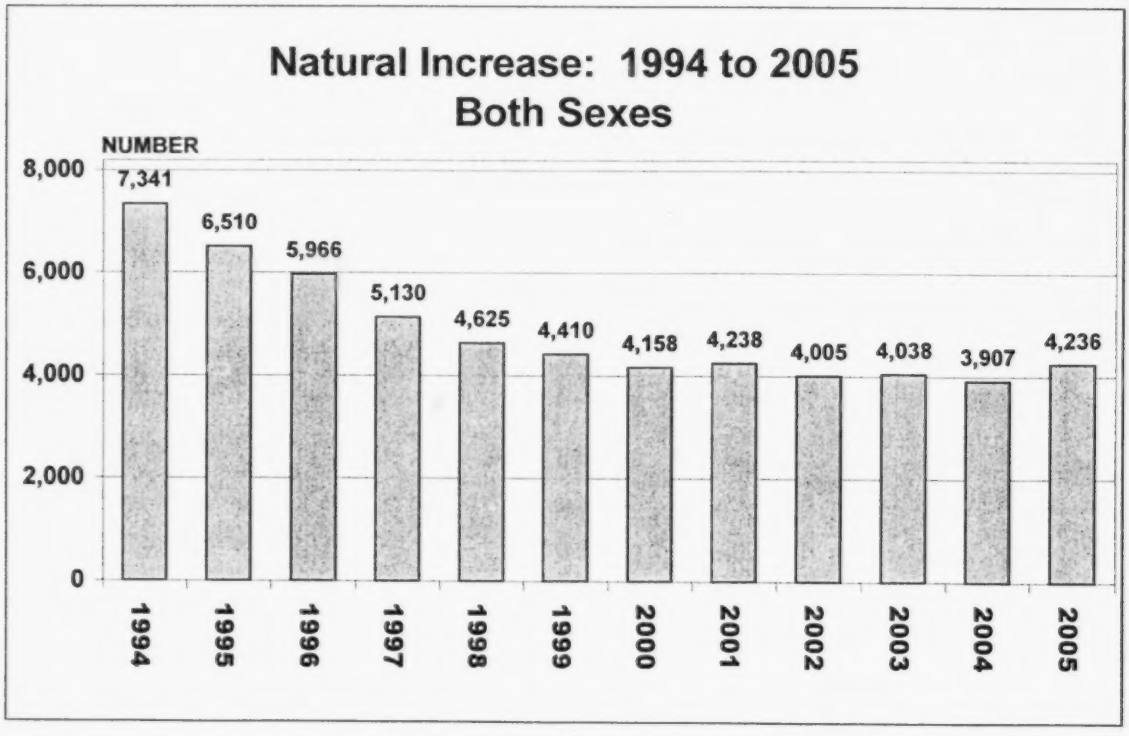
	POPULATION (000's)	LIVE BIRTHS	INFANT DEATHS	TOTAL DEATHS	HEART	CANCER	RATES		
							LIVE BIRTHS	DEATHS	NATURAL INCREASE
1994	1,123.2	16,438	115	9,097	2,628	2,381	14.6	8.1	6.5
1995	1,129.1	16,085	114	9,575	2,808	2,473	14.2	8.5	5.8
1996	1,134.2	15,373	101	9,407	2,723	2,449	13.6	8.3	5.3
1997	1,136.1	14,548	104	9,418	2,608	2,424	12.8	8.3	4.5
1998	1,137.5	14,348	93	9,723	2,618	2,550	12.6	8.5	4.1
1999	1,142.5	14,191	117	9,781	2,588	2,523	12.4	8.6	3.9
2000	1,147.4	13,979	89	9,821	2,554	2,575	12.2	8.6	3.6
2001	1,151.3	13,888	89	9,650	2,378	2,519	12.1	8.4	3.7
2002	1,155.6	13,787	96	9,782	2,290	2,547	11.9	8.5	3.5
2003	1,161.6	13,825	104	9,787	2,187	2,553	11.9	8.4	3.5
2004	1,170.2	13,729	94	9,822	2,318	2,692	11.7	8.4	3.3
2005	1,177.6	14,009	91	9,773	2,197	2,586	11.9	8.3	3.6

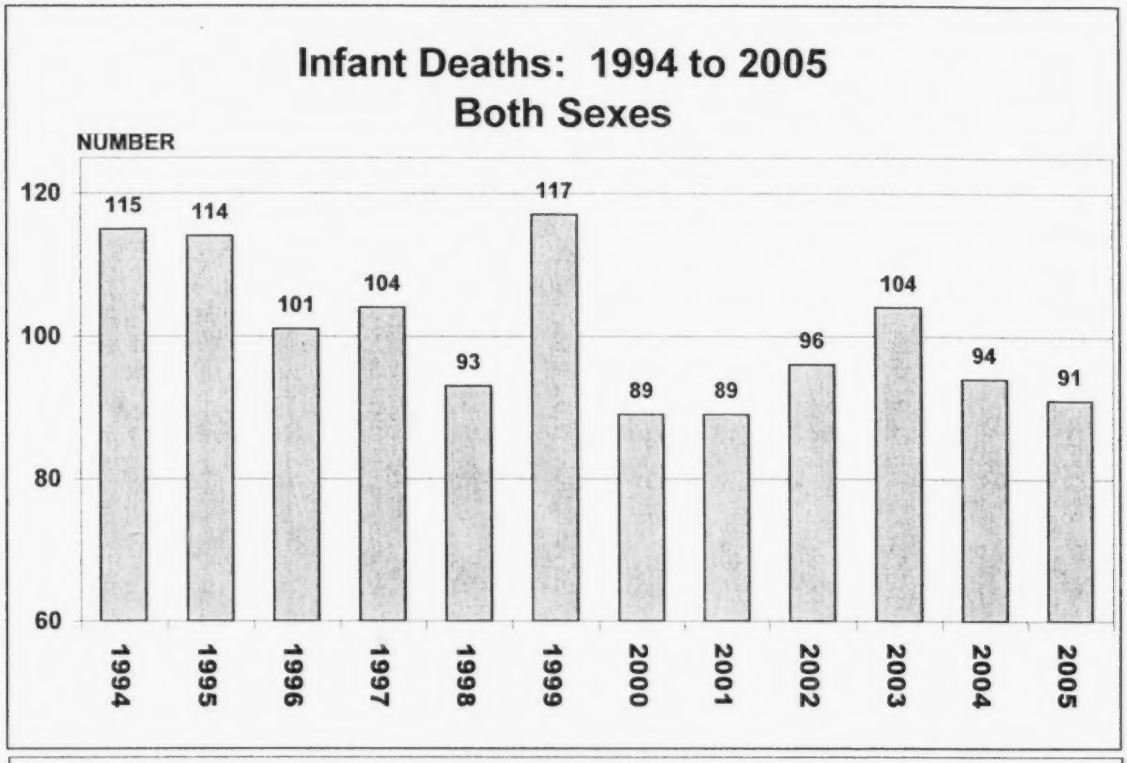
NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION.

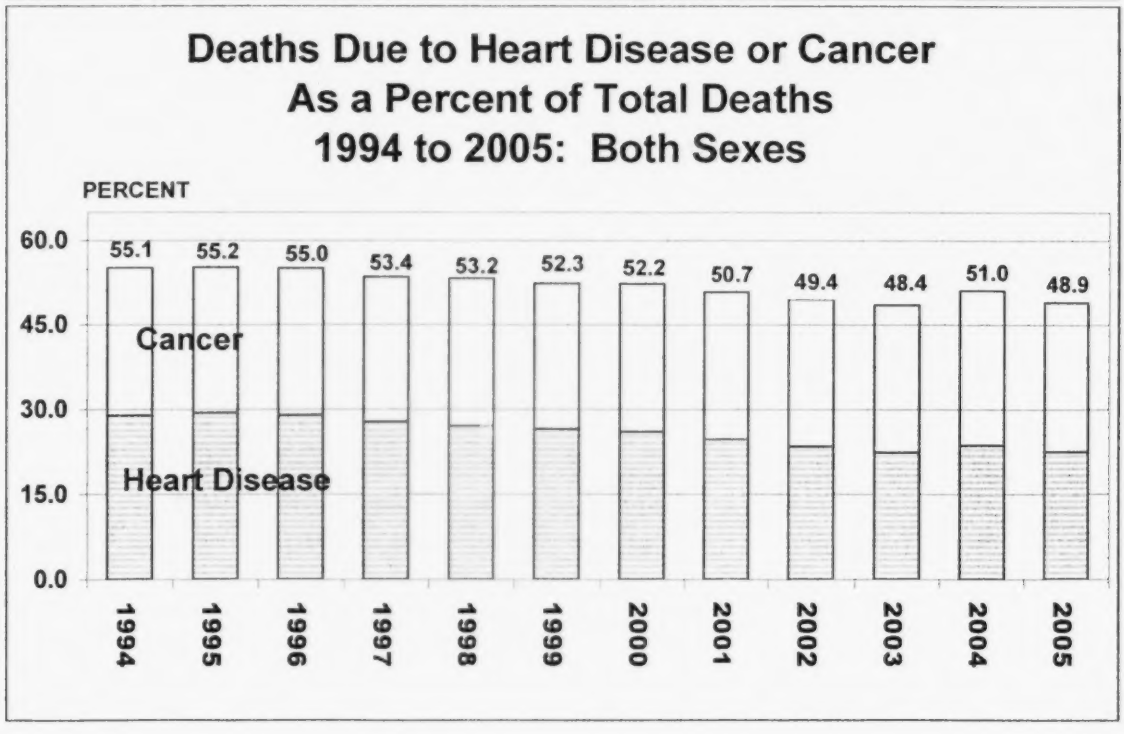
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE
STATISTICS CANADA




Deaths: 1994 to 2005
Both Sexes
NUMBER
10,000
9,500
9,000
8,500
9,097
9,575
9,407
9,418
9,723
9,781
9,821
9,650
9,782
9,787
9,822
9,773
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005

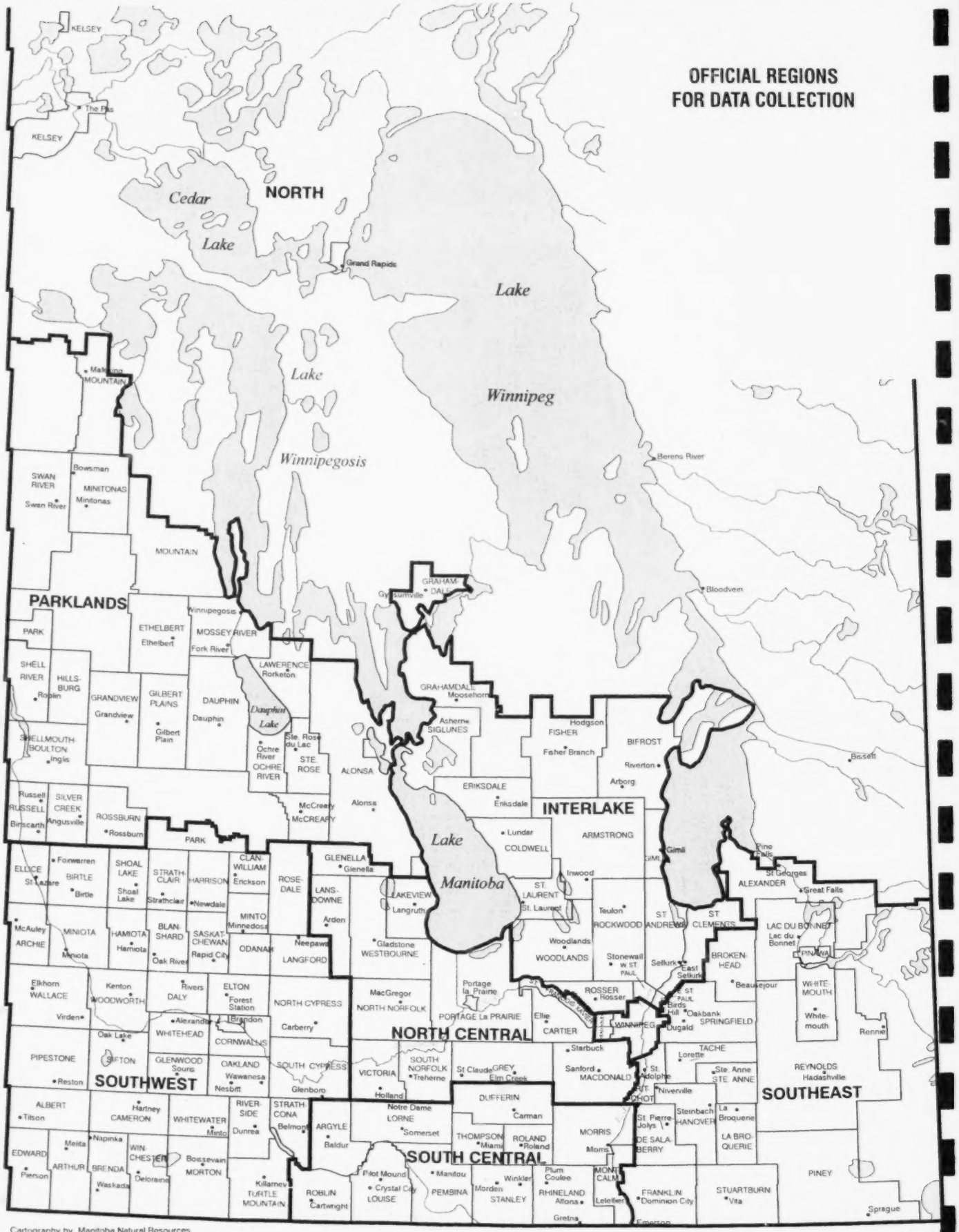

Natural Increase: 1994 to 2005
Both Sexes
NUMBER
8,000
6,000
4,000
2,000
0
7,341
6,510
5,966
5,130
4,625
4,410
4,158
4,238
4,005
4,038
3,907
4,236
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005


Infant Deaths: 1994 to 2005
Both Sexes
NUMBER
120
100
80
60
115
114
101
104
93
117
89
89
96
104
94
91
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005


Deaths Due to Heart Disease or Cancer
As a Percent of Total Deaths
1994 to 2005: Both Sexes
PERCENT
60.0
45.0
30.0
15.0
0.0
Cancer
Heart Disease
55.1
55.2
55.0
53.4
53.2
52.3
52.2
50.7
49.4
48.4
51.0
48.9
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005

CONTENTS

		Page
Executive Summary		1
Introduction		9
Regional Overview		11
Weight-Specific Births and Stillbirths		14
Age-Specific Deaths		16
Infant Deaths		18
Infant Deaths by Type and Economic Region		20
Cause of Death		22
APPENDIX A:	Births by Weight, Sex and Economic Region	25
APPENDIX B:	Stillbirths by Weight, Sex and Economic Region	29
APPENDIX C:	Deaths by Age, Sex and Economic Region	33
APPENDIX D:	Infant Deaths by Age, Sex and Economic Region	37



Cartography by Manitoba Natural Resources
Land Information Division

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INTRODUCTION

This report presents data on the vital statistics (births, deaths, and stillbirths) occurring during 2005 in the province of Manitoba. Historical data from 1984 to 2004 is available in previous Manitoba Bureau of Statistics reports. The charts and tables in this report were constructed using data that was reported by the Vital Statistics Agency, Manitoba Finance.

The data in this report and the 2002 to 2004 reports refer to events that **occurred in Manitoba and involved Manitobans by place of residence**. Previous reports presented data by place of occurrence. Where all characteristics of an event have not been recorded, the vital event has been omitted from that statistical table.

The population figures used are from the Statistics Canada July 1, 2005 preliminary postcensal estimates of population.

Manitoba is divided into 8 Official Regions for Data Collection (also known as Economic Regions). The following table illustrates the association between data collection region, economic region, and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	10	1, 2, 12
South Central	20	3, 4
Southwest	30	5, 6, 7, 15
North Central	40	8, 9, 10
Winnipeg	50	11
Interlake	60	13, 14, 18
Parklands	70	16, 17, 20
North	80	19, 21, 22, 23

The map on the opposite page also illustrates these relationships.

Further information and custom tabulations on the 2005 vital statistics can be obtained from the Manitoba Bureau of Statistics by contacting Marcel Chartier at (204) 945-2991.

TABLE VIII presents Manitoba deaths during 2005 by cause of death. The causes of death are coded according to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death", based on the Tenth Revision Conference, 2000.

The following lists the major causes of death and their codes:

Infectious and Parasitic Diseases (A00-B99)

Cancer (C00-C97)

Other Neoplasms (D00-D48)

Diabetes (E10-E14)

Psychoses (F01-F39)

Hereditary and Degenerative Central Nervous System (G10-G37)

Hypertensive Disease (I10-I13)

Heart Disease (I20-I51)

Cerebrovascular Disease (I60-I69)

Diseases of Arteries, Arterioles, Capillaries (I70-I78)

Pneumonia (J12-J18)

Chronic Obstructive Pulmonary Disease (J40-J47)

Other Respiratory Diseases (J80-J98)

Other Intestinal and Peritoneum Diseases (K55-K66)

Other Diseases of the Digestive System (K70-K92)

Metabolic and Immunity Disorders (D80-89, E65-E88, M10)

Musculoskeletal System and Connective Tissue (M00-M08, M11-M99)

Nephritis, Nephrotic Syndrome, Nephrosis (N00-N07, N17-N19, N25-N27)

Congenital Anomalies (Q00-Q99)

Accidents (V01-X59, Y40-Y86, Y88)

Other Causes (D50-D76, E00-E07, E15-E64, F40-F99, G00-G09, G40-G98, H00-H93, I00-I09, I80-I99, J00-J11, J20-J39, J60-J70, K00-K14, K20-K31, K35-K52, L00-L98, M10, N10-N15, N20-N23, N28-N98, O00-O99, P00-P96, R00-R94, R95-R99, X60-Y36, Y870, Y871, Y890, Y891, Y892 and Y899)

TABLE I MANITOBA 2005 VITAL STATISTICS BY ECONOMIC REGION BOTH SEXES

REGION	POPULATION IN 000'S (JULY 1/05)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	95.7	1,185	4	646	539	12.4	3.4	6.8	5.6
SOUTH CENTRAL	56.1	814	7	404	410	14.5	8.6	7.2	7.3
SOUTHWEST	105.8	1,156	8	1,079	77	10.9	6.9	10.2	0.7
NORTH CENTRAL	50.3	613	8	375	238	12.2	13.1	7.5	4.7
WINNIPEG	652.2	7,158	61	5,468	1,690	11.0	8.5	8.4	2.6
INTERLAKE	87.5	799	1	742	57	9.1	1.3	8.5	0.7
PARKLANDS	43.8	423	1	529	-106	9.7	2.4	12.1	-2.4
NORTH	86.2	1,861	22	530	1,331	21.6	11.8	6.2	15.4
MANITOBA	1,177.6	14,009	112	9,773	4,236	11.9	8.0	8.3	3.6

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE
STATISTICS CANADA

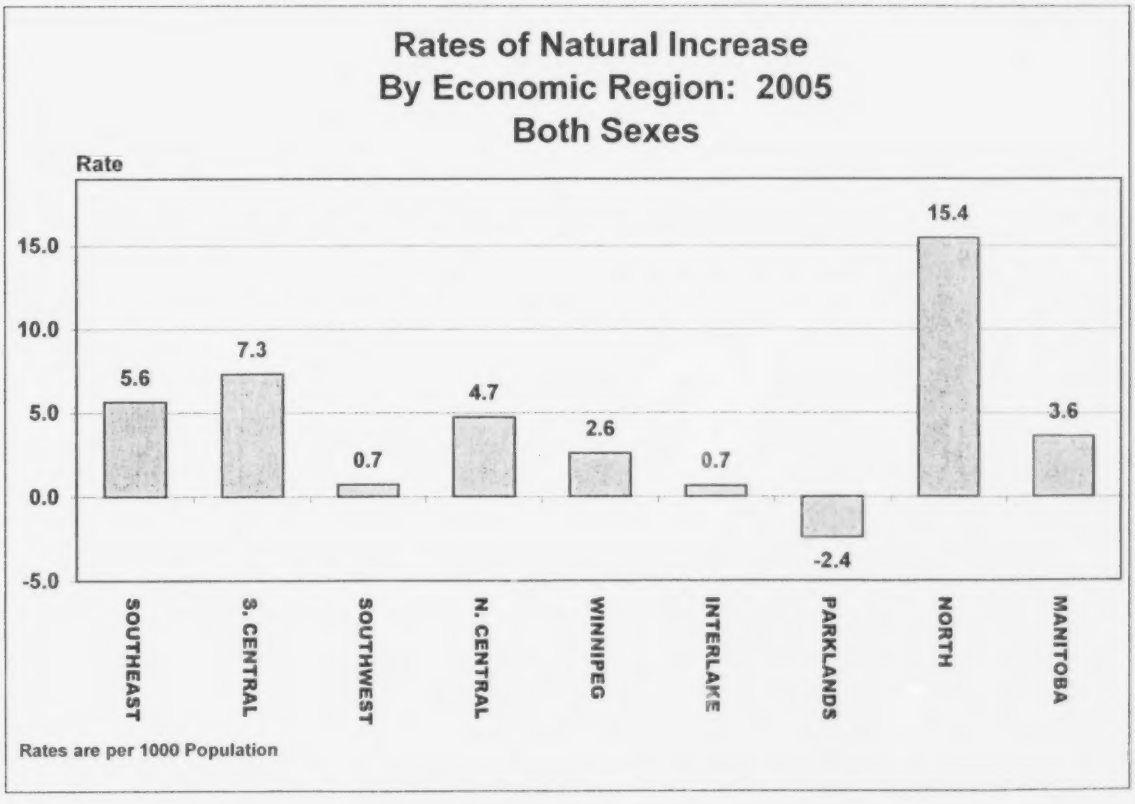


TABLE II MANITOBA 2005 VITAL STATISTICS BY ECONOMIC REGION FEMALES

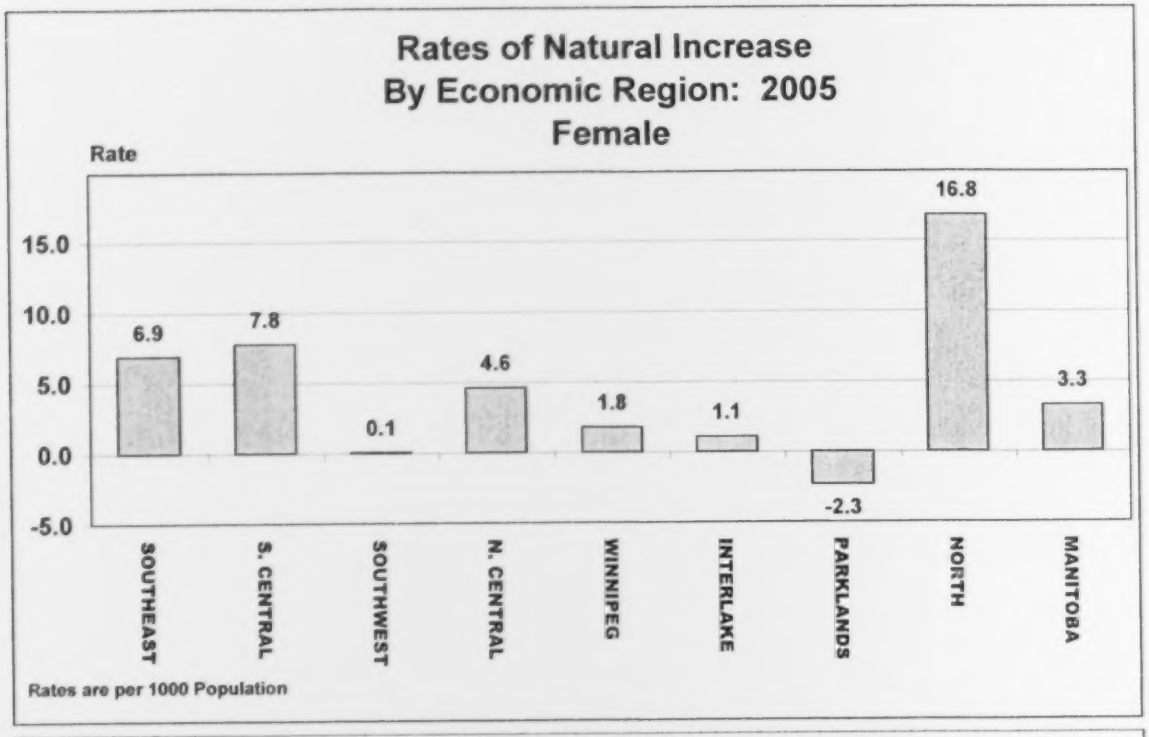
REGION	POPULATION IN 000'S (JULY 1/05)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	46.9	616	3	292	324	13.1	4.9	6.2	6.9
SOUTH CENTRAL	27.9	412	3	195	217	14.8	7.3	7.0	7.8
SOUTHWEST	53.7	560	2	557	3	10.4	3.6	10.4	0.1
NORTH CENTRAL	25.0	296	2	181	115	11.9	6.8	7.3	4.6
WINNIPEG	332.3	3,504	30	2,913	591	10.5	8.6	8.8	1.8
INTERLAKE	43.1	394	0	347	47	9.1	0.0	8.1	1.1
PARKLANDS	22.0	203	0	254	-51	9.2	0.0	11.5	-2.3
NORTH	41.9	923	12	220	703	22.0	13.0	5.3	16.8
MANITOBA	592.7	6,908	52	4,959	1,949	11.7	7.5	8.4	3.3

TABLE III MANITOBA 2005 VITAL STATISTICS BY ECONOMIC REGION MALES

REGION	POPULATION IN 000'S (JULY 1/05)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	48.8	569	1	354	215	11.7	1.8	7.3	4.4
SOUTH CENTRAL	28.2	402	4	209	193	14.2	10.0	7.4	6.8
SOUTHWEST	52.1	596	6	522	74	11.4	10.1	10.0	1.4
NORTH CENTRAL	25.3	317	6	194	123	12.5	18.9	7.7	4.9
WINNIPEG	319.9	3,654	31	2,555	1,099	11.4	8.5	8.0	3.4
INTERLAKE	44.4	405	1	395	10	9.1	2.5	8.9	0.2
PARKLANDS	21.7	220	1	274	-54	10.1	4.5	12.6	-2.5
NORTH	44.3	938	10	310	628	21.2	10.7	7.0	14.2
MANITOBA	584.8	7,101	60	4,813	2,288	12.1	8.4	8.2	3.9

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.
ONE DEATH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE
STATISTICS CANADA


Rates of Natural Increase
By Economic Region: 2005
Female
Rate
15.0
10.0
5.0
0.0
-5.0
6.9
7.8
0.1
4.6
1.8
1.1
-2.3
16.8
3.3
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Population

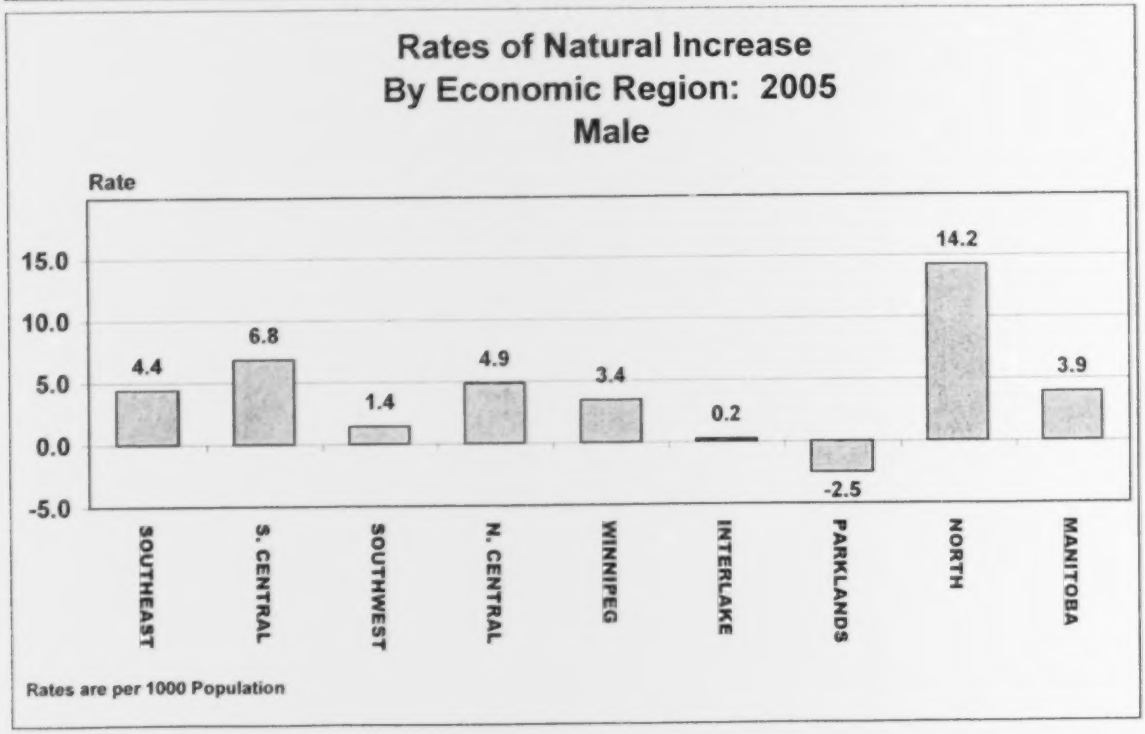
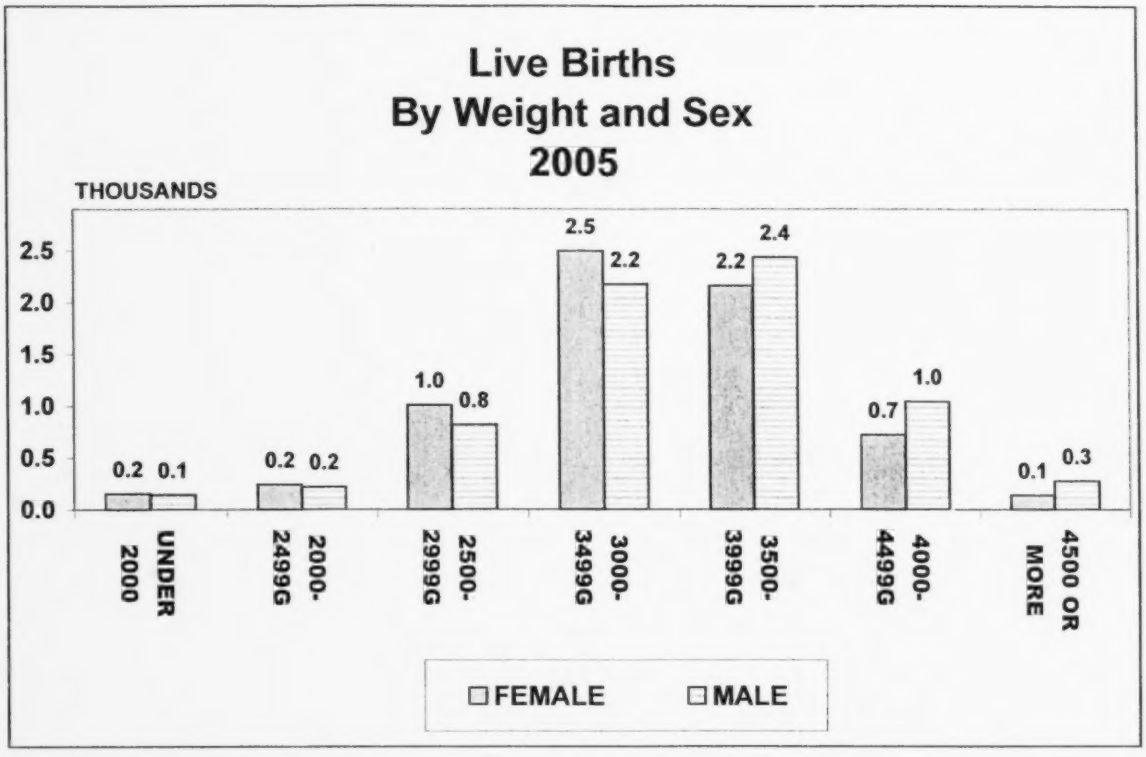

Rates of Natural Increase
By Economic Region: 2005
Male
Rate
15.0
10.0
5.0
0.0
-5.0
4.4
6.8
1.4
4.9
3.4
0.2
-2.5
14.2
3.9
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Population

TABLE IV MANITOBA 2005 BIRTHS AND STILLBIRTHS BY WEIGHT

WEIGHT	BOTH SEXES LIVE BIRTHS	BOTH SEXES STILL BIRTHS	BOTH SEXES STILL BIRTH RATE	FEMALES LIVE BIRTHS	FEMALES STILL BIRTHS	FEMALES STILL BIRTH RATE	MALES LIVE BIRTHS	MALES STILL BIRTHS	MALES STILL BIRTH RATE
UNDER 500G	26	36	1,384.6	14	19	1,357.1	12	17	1,416.7
500 - 999G	36	21	583.3	16	7	437.5	20	14	700.0
1000-1499G	86	6	69.8	48	3	62.5	38	3	78.9
1500-1999G	147	8	54.4	74	2	27.0	73	6	82.2
2000-2499G	460	9	19.6	241	3	12.4	219	6	27.4
2500-2999G	1,826	11	6.0	1,009	7	6.9	817	4	4.9
3000-3499G	4,666	10	2.1	2,493	4	1.6	2,173	6	2.8
3500-3999G	4,595	3	0.7	2,159	2	0.9	2,436	1	0.4
4000-4499G	1,758	5	2.8	718	3	4.2	1,040	2	1.9
4500-4999G	365	2	5.5	121	1	8.3	244	1	4.1
5000-5499G	43	0	0.0	14	0	0.0	29	0	0.0
5500-5999G	1	0	0.0	1	0	0.0	0	0	n/a
6000-6499G	0	0	n/a	0	0	n/a	0	0	n/a
OVER 6500G	0	0	n/a	0	0	n/a	0	0	n/a
UNKNOWN	0	1	n/a	0	1	n/a	0	0	n/a
TOTALS	14,009	112	8.0	6,908	52	7.5	7,101	60	8.4

NOTE: STILLBIRTH RATE IS PER 1000 LIVE BIRTHS.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE


Live Births
By Weight and Sex
2005
THOUSANDS
2.5
2.0
1.5
1.0
0.5
0.0
0.2 0.1
0.2 0.2
1.0 0.8
2.5 2.2
2.2 2.4
0.7 1.0
0.1 0.3
UNDER 2000
2000-2499G
2500-2999G
3000-3499G
3500-3999G
4000-4499G
4500 OR MORE
FEMALE
MALE

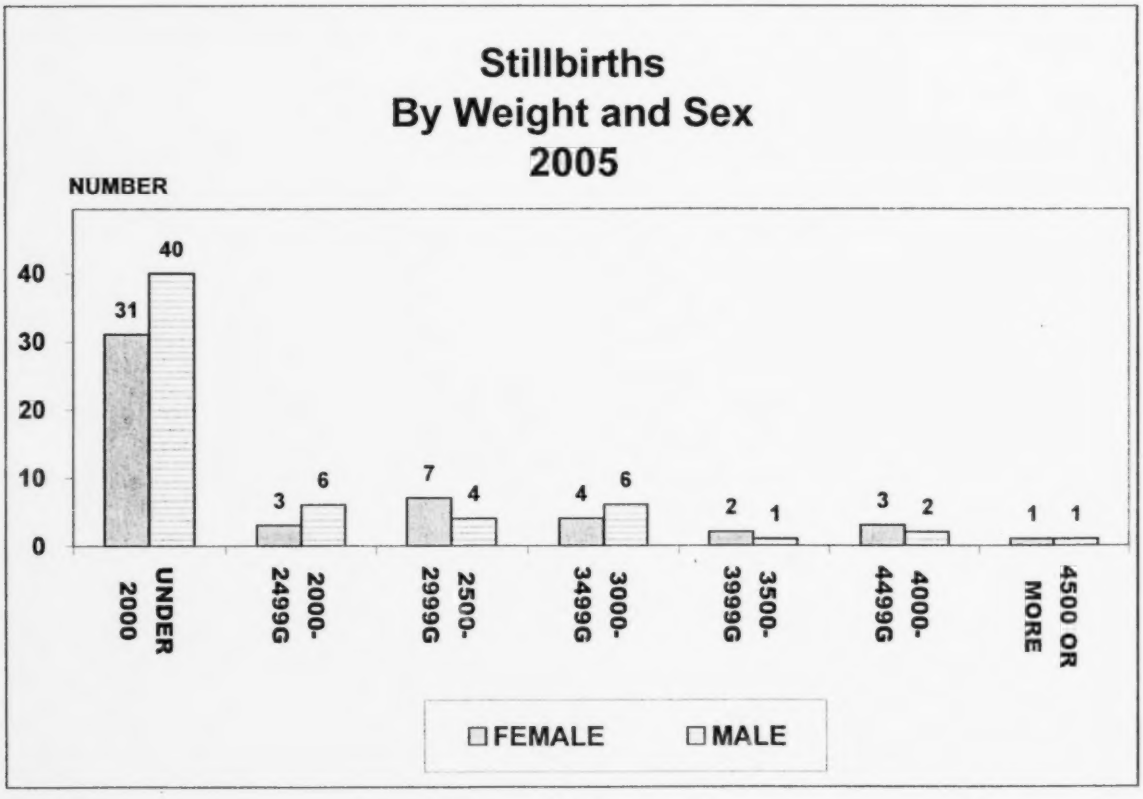
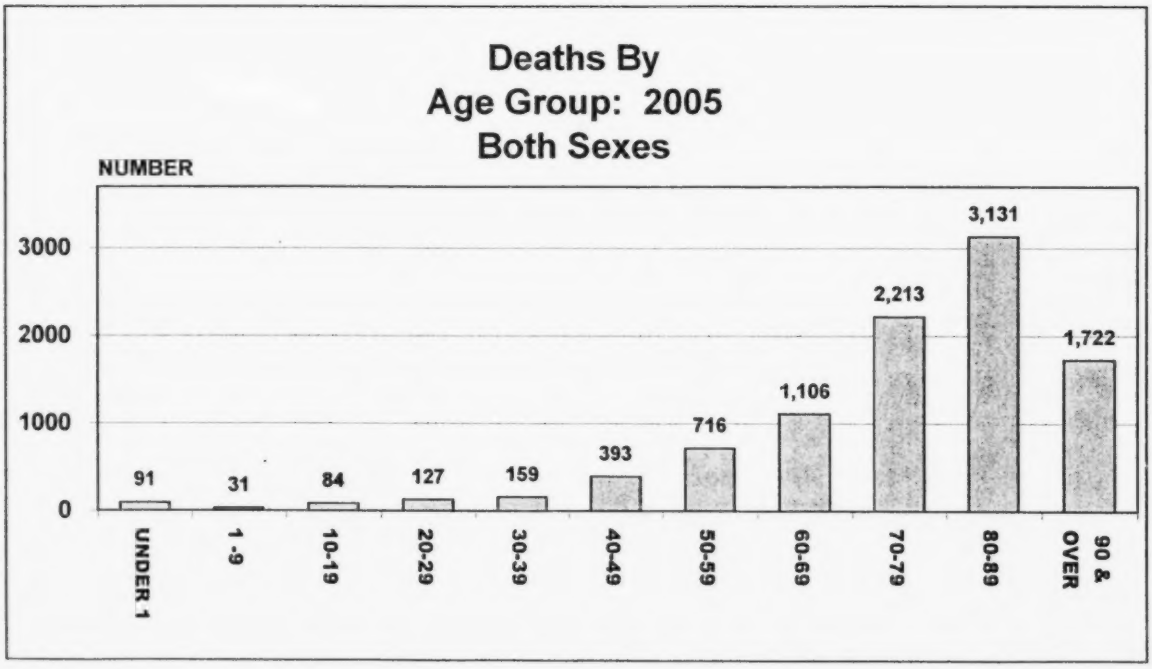

Stillbirths
By Weight and Sex
2005
NUMBER
40
30
20
10
0
31 40
3 6
7 4
4 6
2 1
3 2
1 1
UNDER 2000
2000-2499G
2500-2999G
3000-3499G
3500-3999G
4000-4499G
4500 OR MORE
FEMALE
MALE

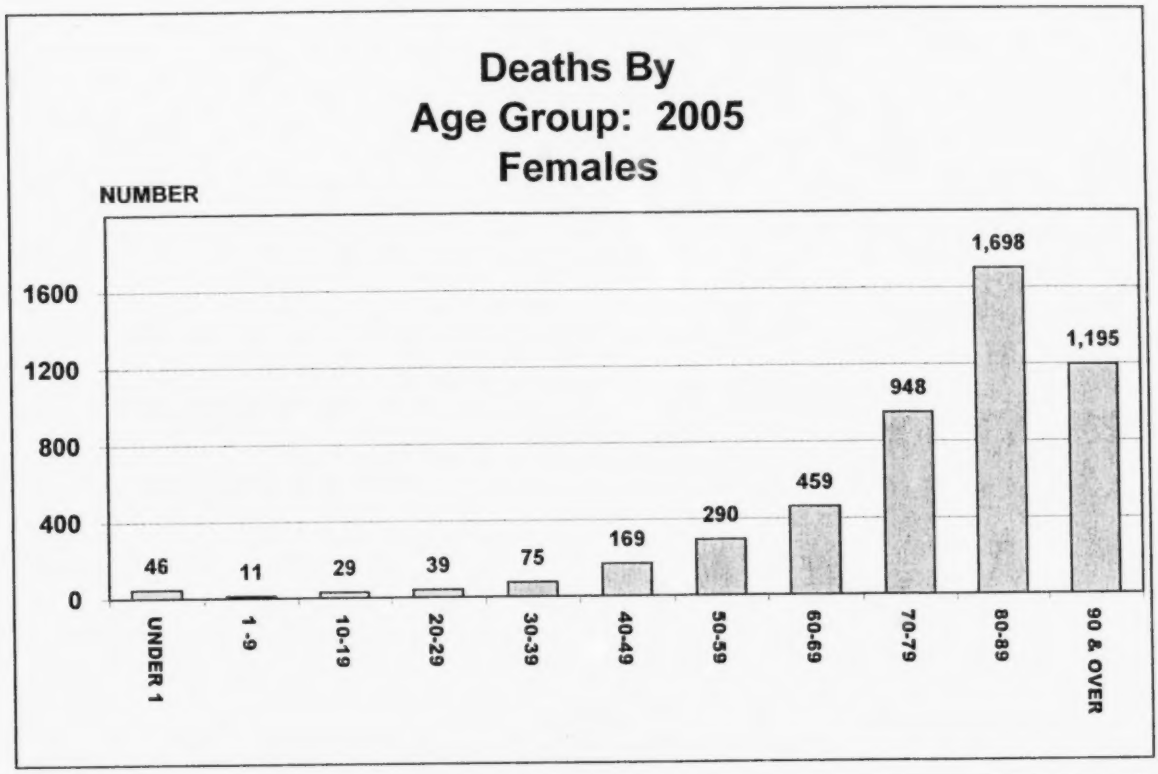
TABLE V MANITOBA 2005 DEATHS BY AGE GROUP AND SEX

AGE IN YEARS	BOTH SEXES POPULATION IN 000'S (JULY 1/05)	BOTH SEXES DEATHS	BOTH SEXES DEATH RATE	FEMALES POPULATION IN 000'S (JULY 1/05)	FEMALES DEATHS	FEMALES DEATH RATE	MALES POPULATION IN 000'S (JULY 1/05)	MALES DEATHS	MALES DEATH RATE
UNDER 1	14.1	91	6.5	6.9	46	6.7	7.2	45	6.3
1 - 4	56.1	17	0.3	27.6	5	0.2	28.6	12	0.4
5 - 9	77.1	14	0.2	37.2	6	0.2	39.9	8	0.2
10-14	84.4	24	0.3	41.3	10	0.2	43.1	14	0.3
15-19	84.9	60	0.7	41.6	19	0.5	43.3	41	0.9
20-24	83.8	63	0.8	40.7	19	0.5	43.1	44	1.0
25-29	78.6	64	0.8	38.5	20	0.5	40.1	44	1.1
30-34	77.6	60	0.8	37.8	19	0.5	39.8	41	1.0
35-39	78.3	99	1.3	38.4	56	1.5	39.9	43	1.1
40-44	93.4	154	1.6	46.1	69	1.5	47.2	85	1.8
45-49	89.7	239	2.7	44.2	100	2.3	45.6	139	3.1
50-54	79.9	322	4.0	40.4	125	3.1	39.5	197	5.0
55-59	69.8	394	5.6	35.1	165	4.7	34.6	228	6.6
60-64	51.3	471	9.2	26.0	197	7.6	25.3	274	10.8
65-69	40.5	635	15.7	21.0	262	12.5	19.5	373	19.2
70-74	36.7	938	25.6	19.5	384	19.7	17.2	554	32.3
75-79	32.5	1,275	39.2	18.4	564	30.7	14.2	711	50.2
80-84	26.0	1,585	61.0	16.0	762	47.5	9.9	823	82.8
85-89	14.6	1,546	105.8	9.8	936	95.7	4.8	610	126.3
90 & OVER	8.3	1,722	207.1	6.1	1,195	194.6	2.2	527	242.6
TOTALS	1,177.6	9,773	8.3	592.7	4,959	8.4	584.8	4,813	8.2

NOTE: DEATH RATE IS DEATHS PER 1000 POPULATION.
ONE FEMALE DEATH WHERE AGE NOT SPECIFIED.
ONE 55-59 YEAR OLD DEATH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE
STATISTICS CANADA




Deaths By
Age Group: 2005
Females
NUMBER
1600
1200
800
400
0
46
11
29
39
75
169
290
459
948
1,698
1,195
UNDER 1
1 -9
10-19
20-29
30-39
40-49
50-59
60-69
70-79
80-89
90 & OVER

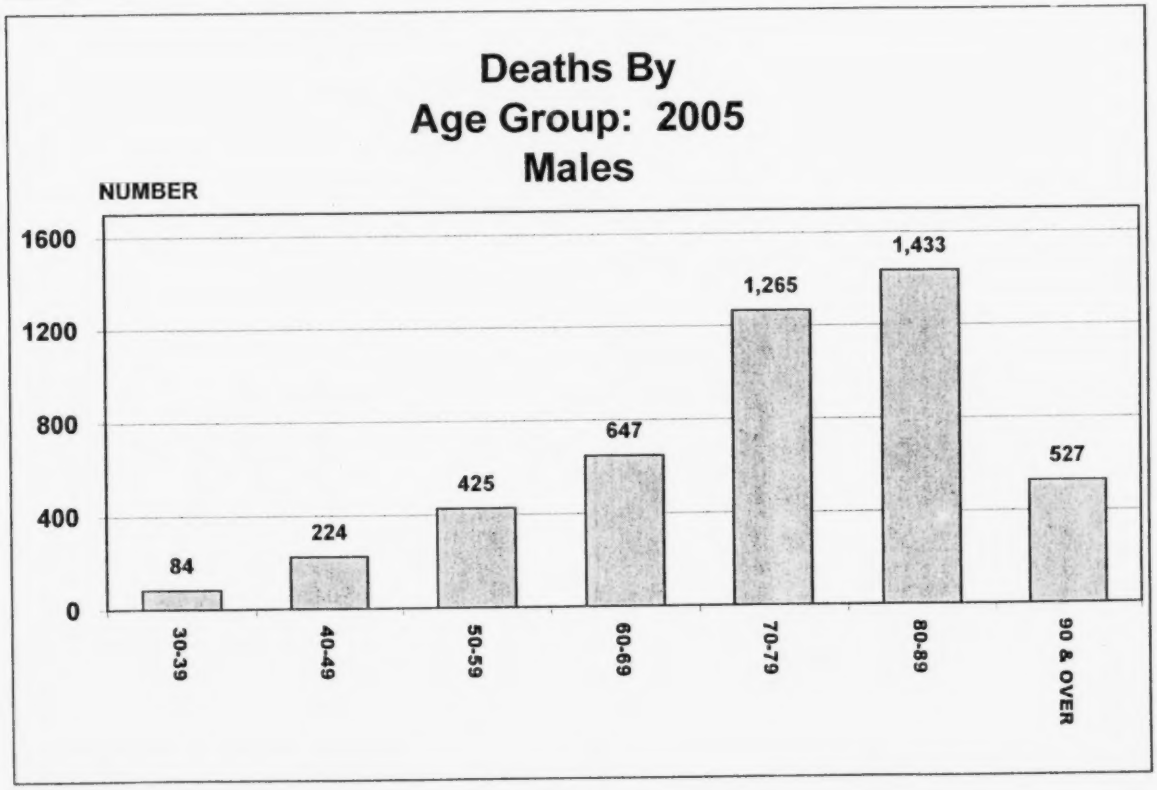
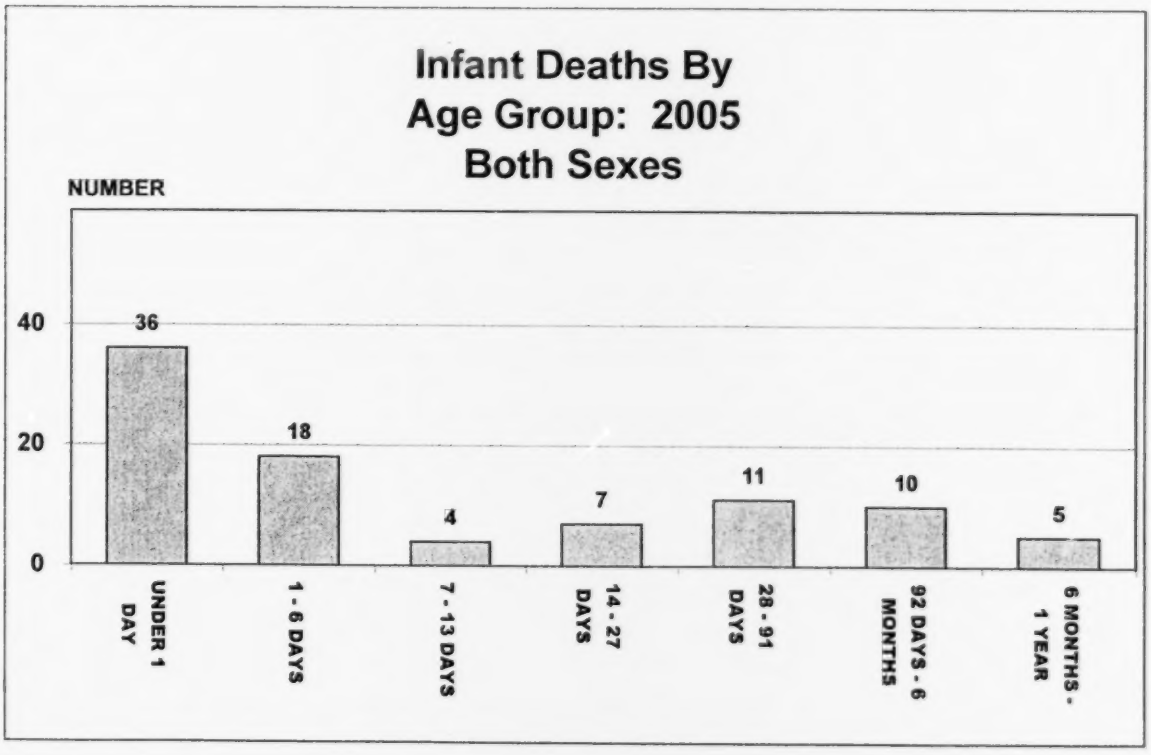

Deaths By
Age Group: 2005
Males
NUMBER
1600
1200
800
400
0
84
224
425
647
1,265
1,433
527
30-39
40-49
50-59
60-69
70-79
80-89
90 & OVER

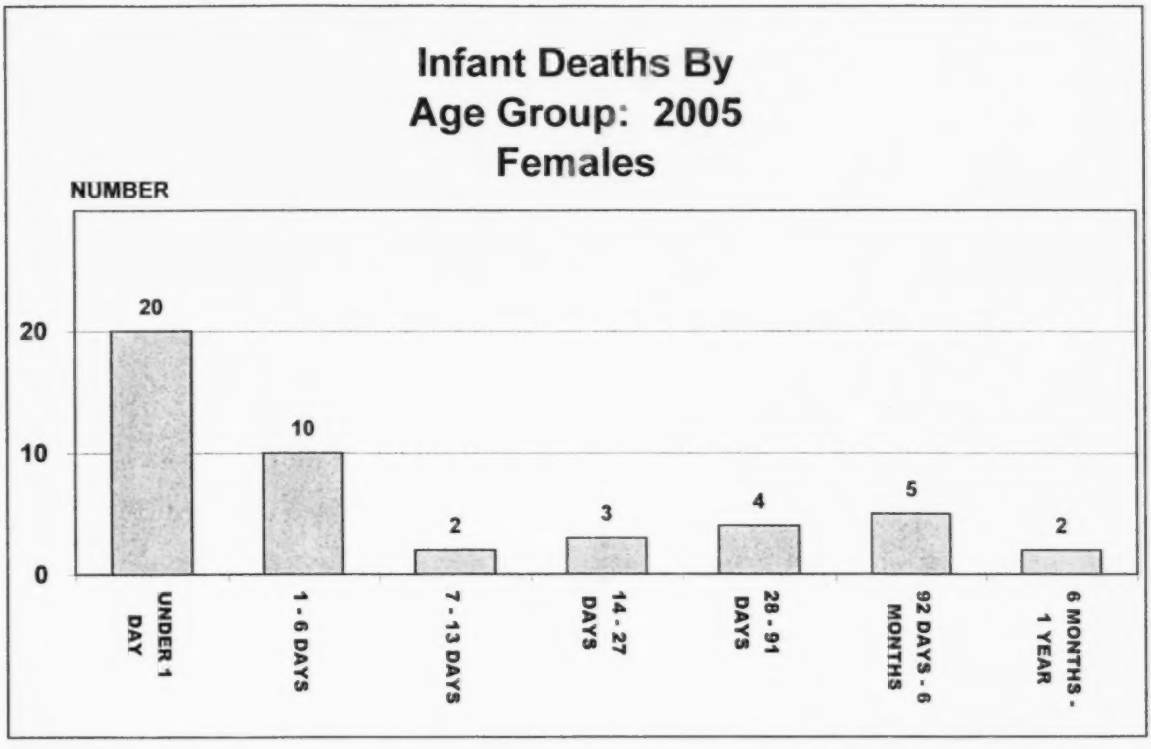
TABLE VI MANITOBA 2005 INFANT DEATHS BY AGE

AGE	BOTH SEXES		FEMALES		MALES	
	DEATHS	DEATH RATE	DEATHS	DEATH RATE	DEATHS	DEATH RATE
UNDER 1 DAY	36	2.6	20	2.9	16	2.3
1 - 6 DAYS	18	1.3	10	1.4	8	1.1
7 - 13 DAYS	4	0.3	2	0.3	2	0.3
14 - 27 DAYS	7	0.5	3	0.4	4	0.6
28 - 91 DAYS	11	0.8	4	0.6	7	1.0
92 DAYS - 6 MONTHS	10	0.7	5	0.7	5	0.7
6 MONTHS - 1 YEAR	5	0.4	2	0.3	3	0.4
NEONATAL	65	4.6	35	5.1	30	4.2
POST-NEONATAL	26	1.9	11	1.6	15	2.1
INFANT	91	6.5	46	6.7	45	6.3
PERINATAL	166	11.8	82	11.8	84	11.7

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.
PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE




Infant Deaths By
Age Group: 2005
Females
NUMBER
20
10
0
20
10
2
3
4
5
2
UNDER 1 DAY
1 - 6 DAYS
7 - 13 DAYS
14 - 27 DAYS
28 - 91 DAYS
92 DAYS - 6 MONTHS
6 MONTHS - 1 YEAR

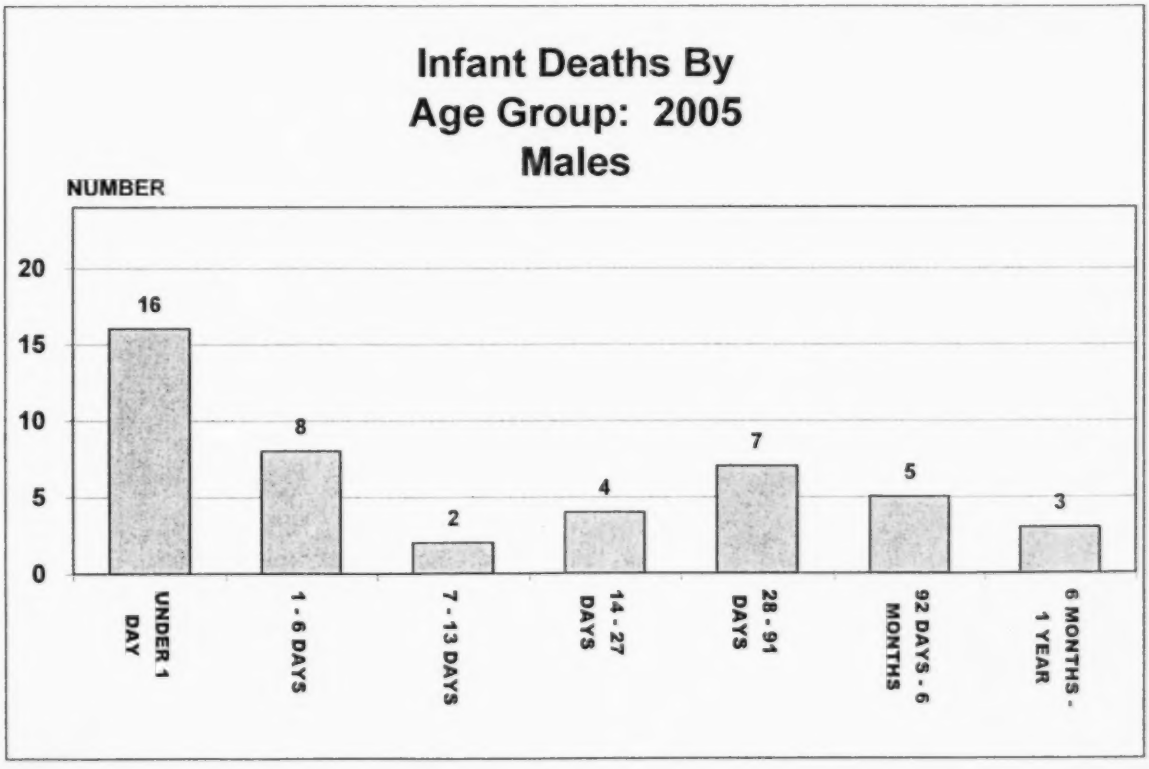
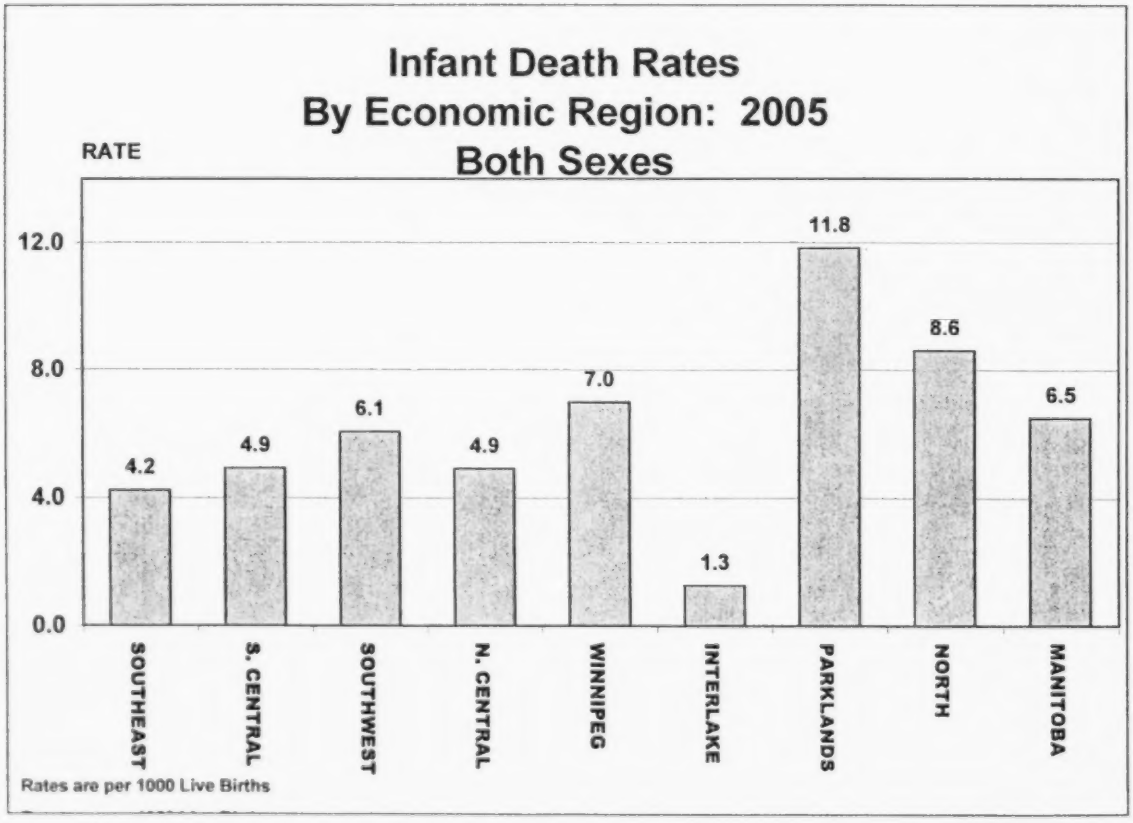

Infant Deaths By
Age Group: 2005
Males
NUMBER
20
15
10
5
0
16
8
2
4
7
5
3
UNDER 1 DAY
1 - 6 DAYS
7 - 13 DAYS
14 - 27 DAYS
28 - 91 DAYS
92 DAYS - 6 MONTHS
6 MONTHS - 1 YEAR

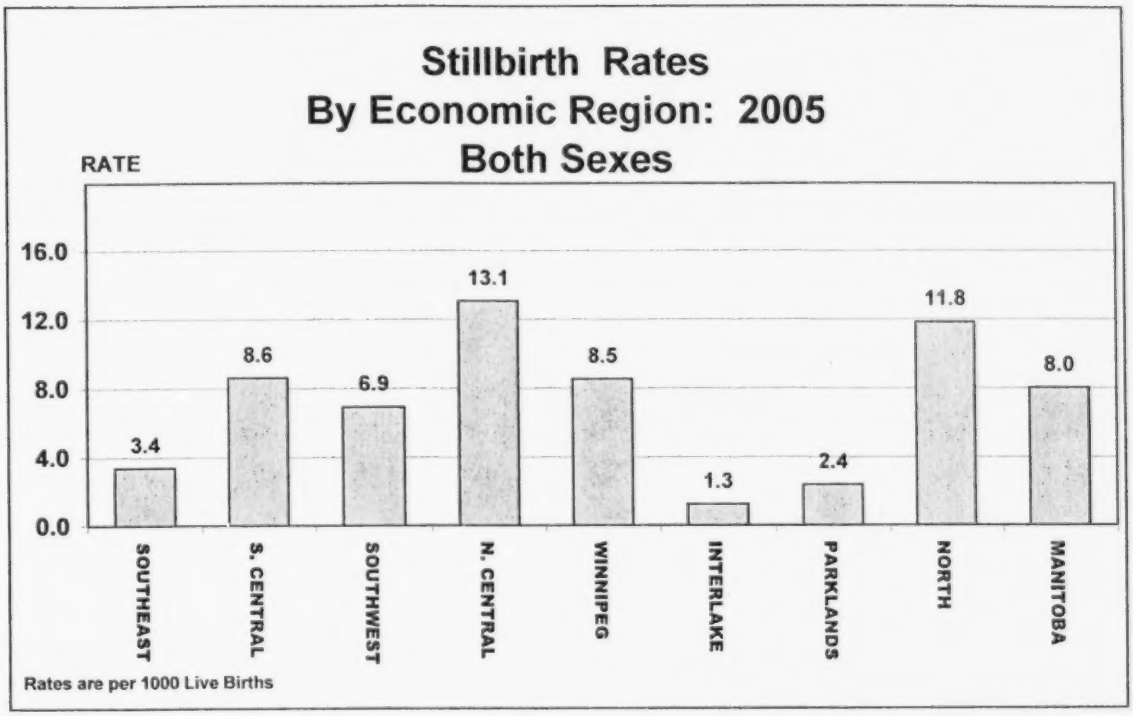
TABLE VII MANITOBA 2005 INFANT DEATHS BY TYPE AND ECONOMIC REGION BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
TYPE									
INFANT	5	4	7	3	50	1	5	16	91
NEONATAL	3	3	5	3	39	0	4	8	65
POST-NEONATAL	2	1	2	0	11	1	1	8	26
STILLBIRTHS	4	7	8	8	61	1	1	22	112
PERINATAL	7	9	12	10	94	1	5	28	166
RATE (per 1,000 live births)									
INFANT	4.2	4.9	6.1	4.9	7.0	1.3	11.8	8.6	6.5
STILLBIRTHS	3.4	8.6	6.9	13.1	8.5	1.3	2.4	11.8	8.0
PERINATAL (per 1,000 total births)	5.9	11.0	10.3	16.1	13.0	1.3	11.8	14.9	11.8

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS
PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE




Stillbirth Rates
By Economic Region: 2005
Both Sexes
RATE
16.0
12.0
8.0
4.0
0.0
3.4
8.6
6.9
13.1
8.5
1.3
2.4
11.8
8.0
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Live Births

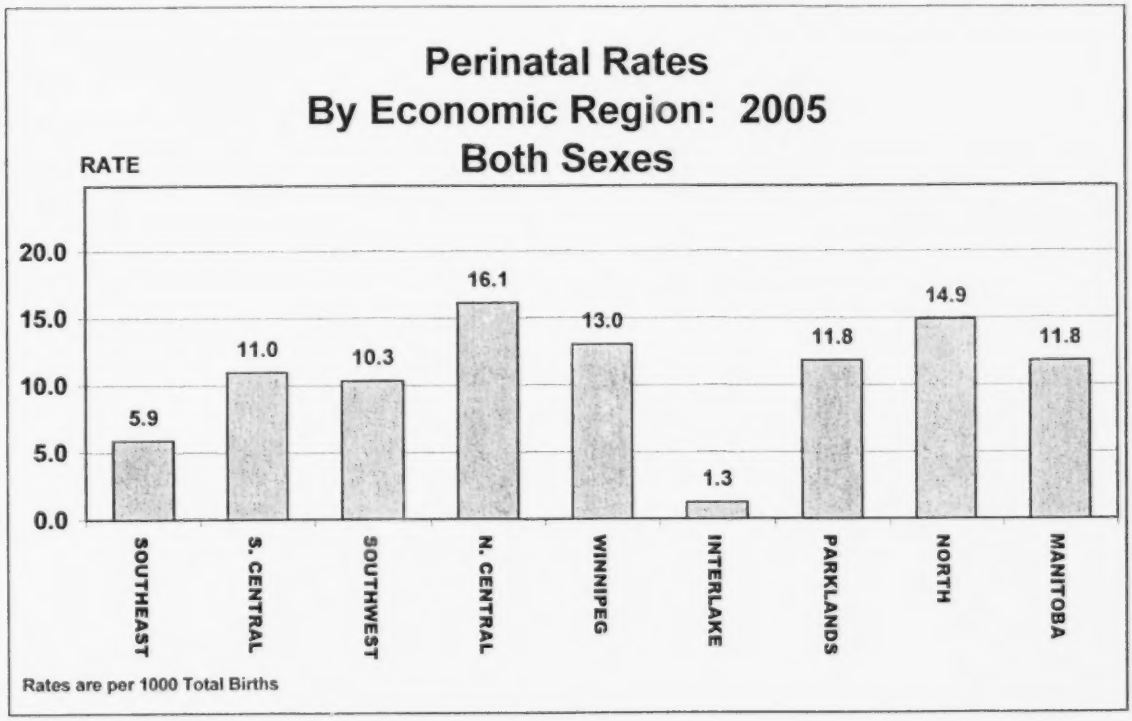
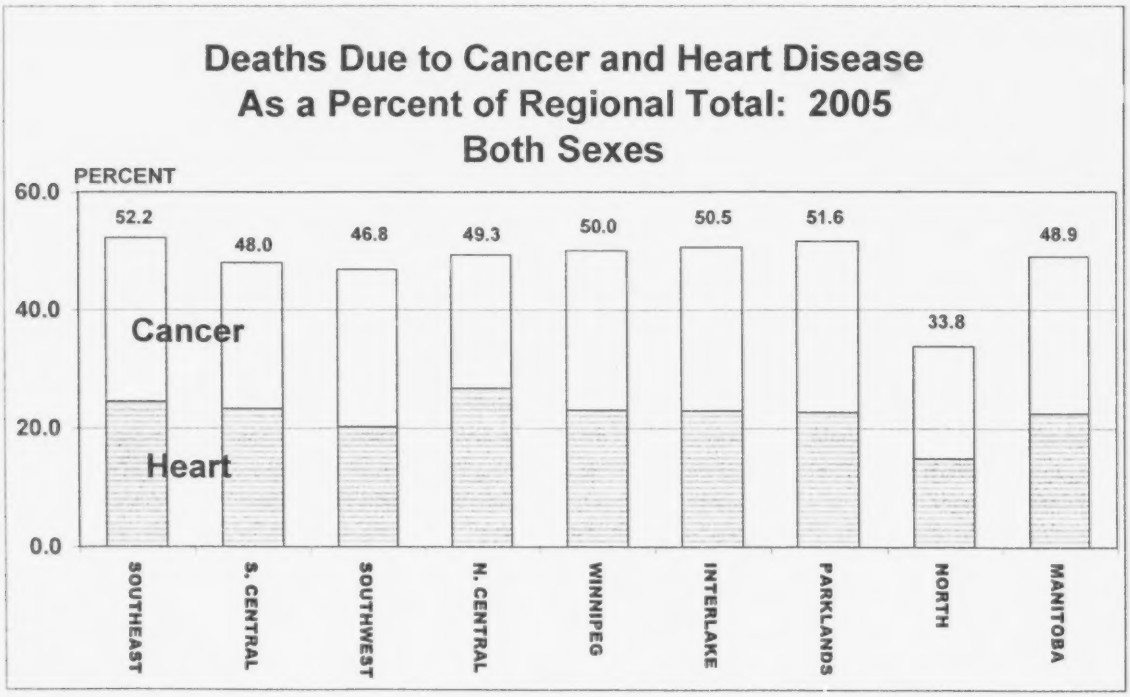
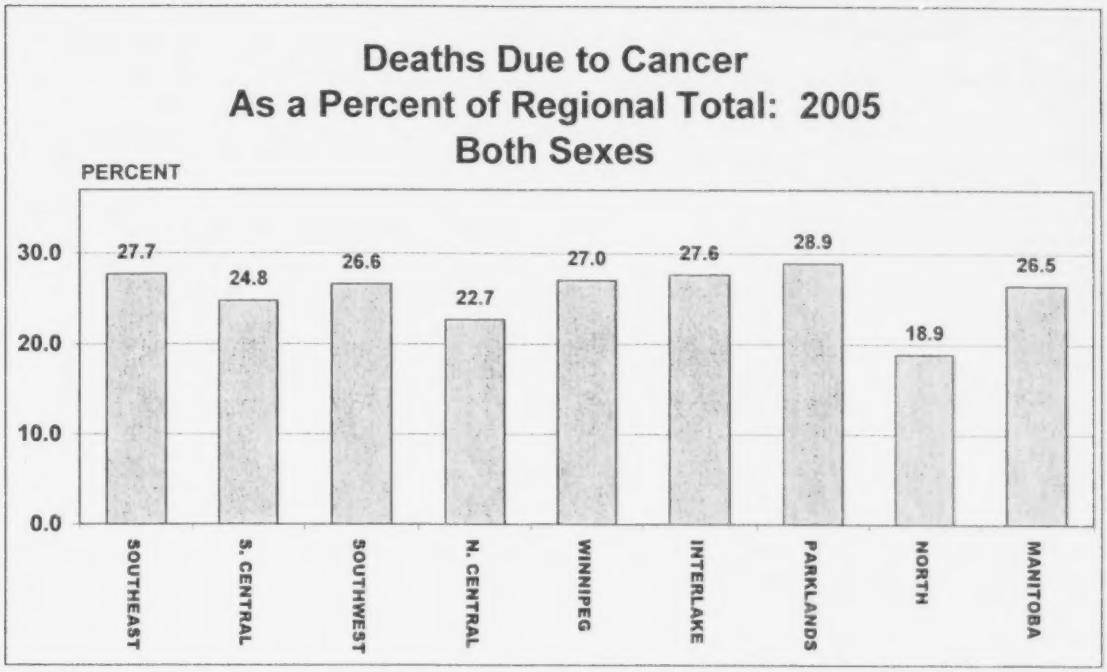

Perinatal Rates
By Economic Region: 2005
Both Sexes
RATE
20.0
15.0
10.0
5.0
0.0
5.9
11.0
10.3
16.1
13.0
1.3
11.8
14.9
11.8
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
Rates are per 1000 Total Births

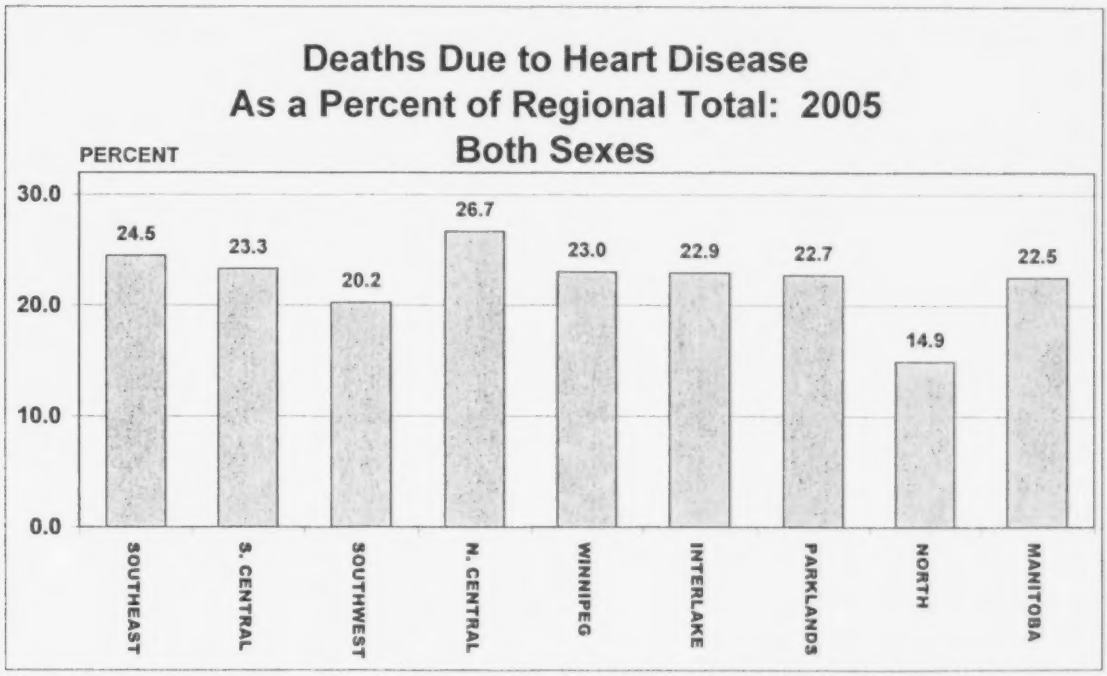
TABLE VIII MANITOBA 2005 DEATHS BY CAUSE OF DEATH AND ECONOMIC REGION BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
CANCER	179	100	287	85	1,477	205	153	100	2,586
HEART DISEASE	158	94	218	100	1,258	170	120	79	2,197
CEREBROVASCULAR DISEASE	45	12	71	27	345	59	40	25	624
ACCIDENTS	30	21	47	17	206	25	28	60	434
DIABETES	37	18	44	17	218	31	21	47	433
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	22	13	66	20	227	39	20	17	424
PSYCHOSES	22	13	46	10	245	21	13	12	382
HEREDITARY AND DEGENERATIVE CENTRAL NERVOUS SYSTEM	24	25	35	18	182	31	6	7	328
PNEUMONIA	8	10	34	14	136	22	19	13	256
OTHER DISEASES OF THE DIGESTIVE SYSTEM	14	11	20	7	96	20	13	13	194
NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS	13	4	24	2	89	15	13	10	170
DISEASES OF ARTERIES, ARTERIOLES, CAPILLARIES	7	11	25	5	93	11	5	8	165
INFECTIOUS AND PARASITIC DISEASES	6	8	16	2	88	7	8	9	144
OTHER INTESTINAL AND PERITONEUM	6	5	11	4	79	7	2	5	119
HYPERTENSIVE DISEASE	8	9	12	2	69	8	6	4	118
OTHER RESPIRATORY DISEASES	2	5	9	5	75	3	7	8	114
METABOLIC AND IMMUNITY DISORDERS	8	2	8	4	55	4	5	7	93
MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	3	3	10	5	49	3	6	2	81
OTHER NEOPLASMS	4	1	16	3	36	8	4	3	75
CONGENITAL ANOMALIES	3	2	10	2	27	3	3	11	61
OTHER CAUSES	47	37	70	26	418	50	37	90	775
TOTAL	646	404	1,079	375	5,468	742	529	530	9,773

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCI




Deaths Due to Cancer
As a Percent of Regional Total: 2005
Both Sexes
PERCENT
30.0
20.0
10.0
0.0
27.7
24.8
26.6
22.7
27.0
27.6
28.9
18.9
26.5
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA


Deaths Due to Heart Disease
As a Percent of Regional Total: 2005
Both Sexes
PERCENT
30.0
20.0
10.0
0.0
24.5
23.3
20.2
26.7
23.0
22.9
22.7
14.9
22.5
SOUTHEAST
S. CENTRAL
SOUTHWEST
N. CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA

APPENDIX A

BIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE A1 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	–	1	1	1	10	--	--	1	14
500- 999G	1	1	1	--	12	--	--	1	16
1000-1499G	2	2	3	--	29	1	--	11	48
1500-1999G	9	4	6	4	36	4	--	11	74
2000-2499G	21	6	21	7	139	16	4	27	241
2500-2999G	80	48	78	39	576	54	19	115	1,009
3000-3499G	218	141	197	116	1,280	145	79	317	2,493
3500-3999G	212	145	192	93	1,036	128	65	288	2,159
4000-4499G	60	55	51	30	325	40	31	126	718
4500-4999G	13	8	9	6	51	5	5	24	121
5000-5499G	–	1	1	--	9	1	--	2	14
5500-5999G	–	–	–	--	1	–	–	--	1
6000G OR MORE	–	–	–	–	–	–	–	–	0
UNKNOWN	–	–	–	–	–	–	–	–	0
TOTAL	616	412	560	296	3,504	394	203	923	6,908

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

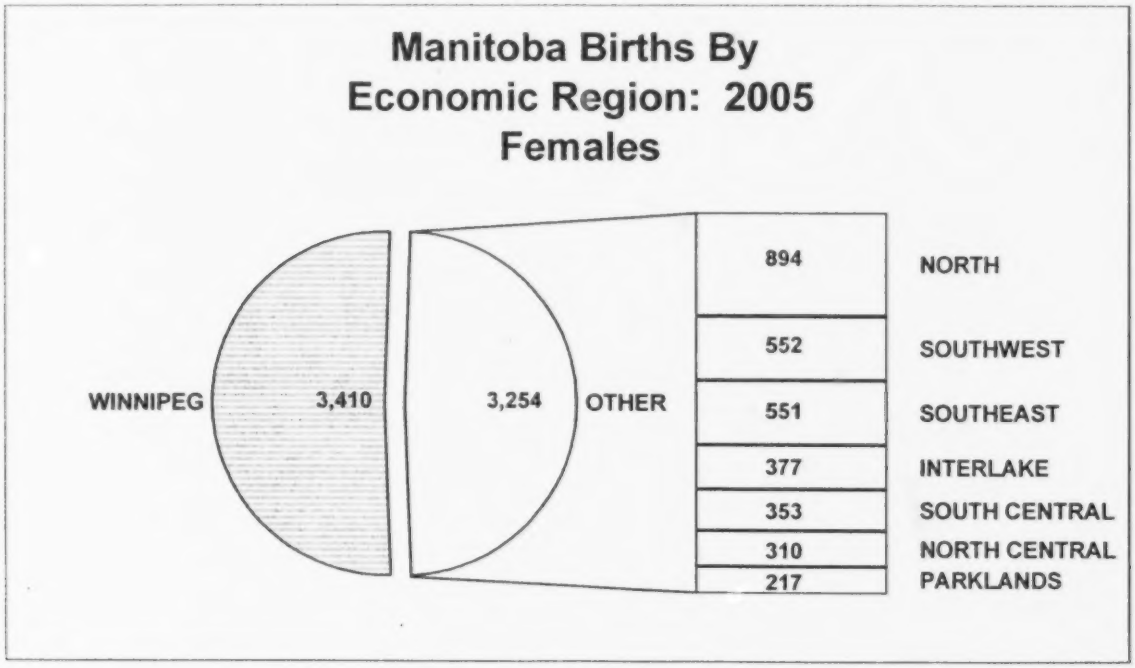


TABLE A2 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	–	–	1	1	9	–	1	–	12
500- 999G	–	1	–	–	14	–	2	3	20
1000-1499G	4	2	3	3	19	2	2	3	38
1500-1999G	6	1	8	2	38	5	2	11	73
2000-2499G	21	4	7	12	133	15	3	24	219
2500-2999G	51	30	68	39	478	39	19	93	817
3000-3499G	161	113	208	96	1,165	113	61	256	2,173
3500-3999G	208	165	199	101	1,190	149	88	336	2,436
4000-4499G	91	69	87	49	484	66	35	159	1,040
4500-4999G	24	17	15	12	111	14	5	46	244
5000-5499G	3	–	–	2	13	2	2	7	29
5500-5999G	–	–	–	–	–	–	–	–	0
6000G OR MORE	–	–	–	–	–	–	–	–	0
UNKNOWN	–	–	–	–	–	–	–	–	0
TOTAL	569	402	596	317	3,654	405	220	938	7,101

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

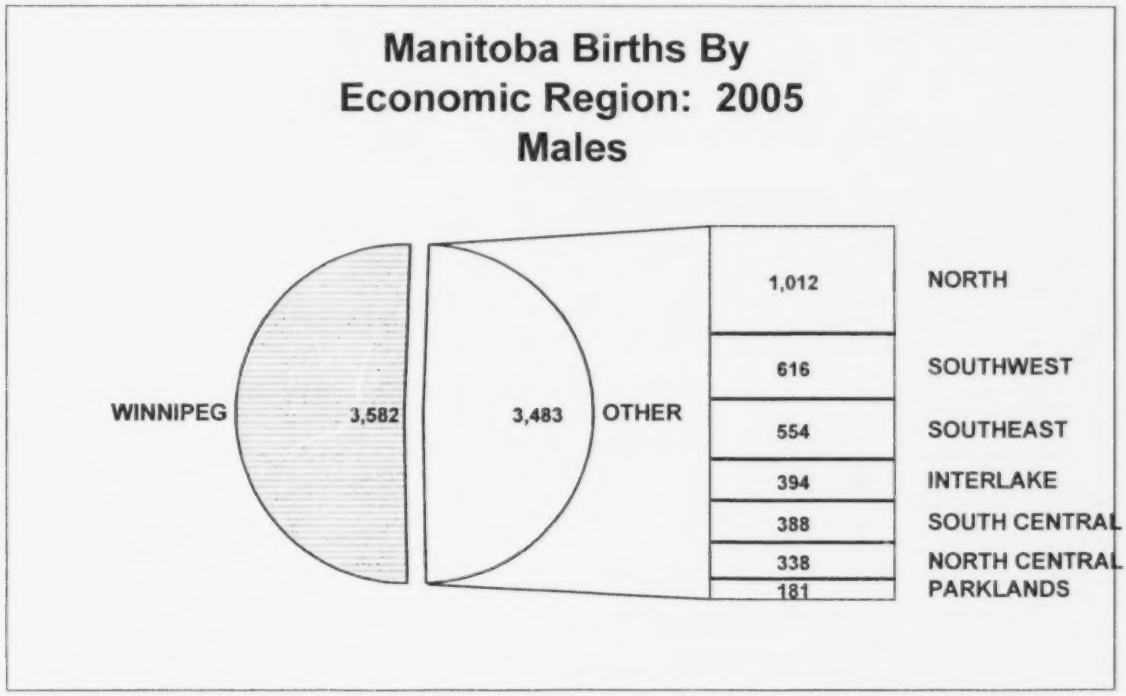
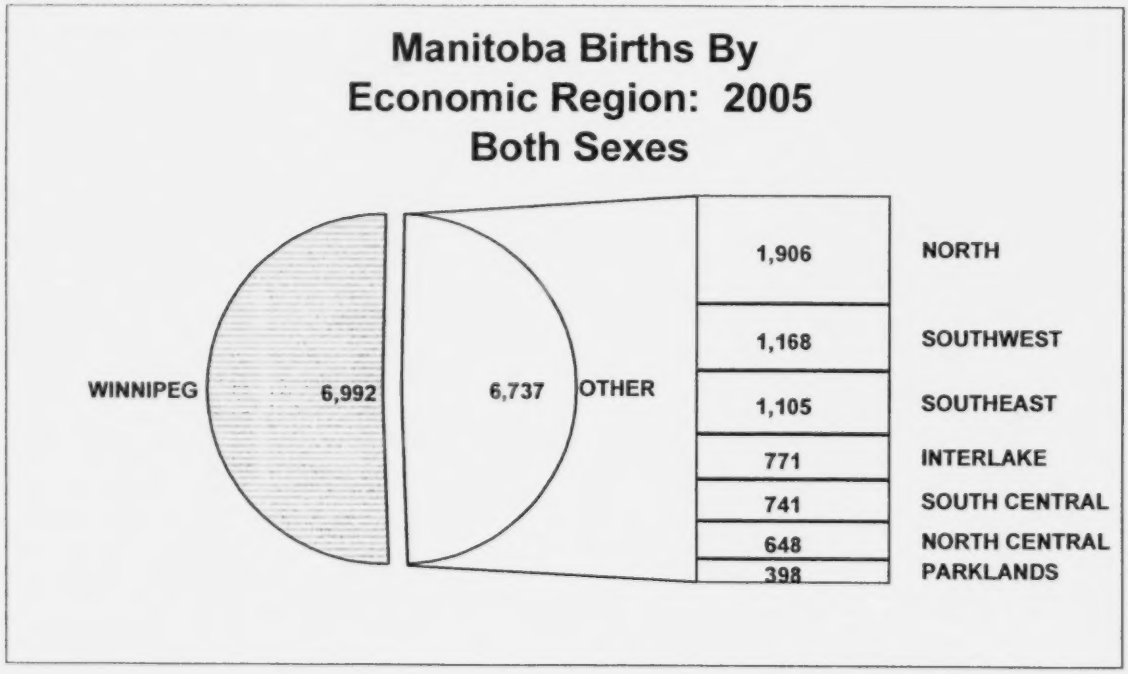


TABLE A3 BIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	–	1	2	2	19	–	1	1	26
500- 999G	1	2	1	–	26	–	2	4	36
1000-1499G	6	4	6	3	48	3	2	14	86
1500-1999G	15	5	14	6	74	9	2	22	147
2000-2499G	42	10	28	19	272	31	7	51	460
2500-2999G	131	78	146	78	1,054	93	38	208	1,826
3000-3499G	379	254	405	212	2,445	258	140	573	4,666
3500-3999G	420	310	391	194	2,226	277	153	624	4,595
4000-4499G	151	124	138	79	809	106	66	285	1,758
4500-4999G	37	25	24	18	162	19	10	70	365
5000-5499G	3	1	1	2	22	3	2	9	43
5500-5999G	–	–	–	–	1	–	–	–	1
6000G OR MORE	–	–	–	–	–	–	–	–	0
UNKNOWN	–	–	–	–	–	–	–	–	0
TOTAL	1,185	814	1,156	613	7,158	799	423	1,861	14,009

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS



APPENDIX B

STILLBIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE B1 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	--	3	1	--	12	--	--	3	19
500- 999G	1	--	--	--	4	--	--	2	7
1000-1499G	--	--	--	--	1	--	--	2	3
1500-1999G	--	--	--	--	2	--	--	--	2
2000-2499G	1	--	--	--	--	--	--	2	3
2500-2999G	--	--	--	1	3	--	--	3	7
3000-3499G	--	--	1	--	3	--	--	--	4
3500-3999G	1	--	--	--	1	--	--	--	2
4000-4499G	--	--	--	1	2	--	--	--	3
4500-4999G	--	--	--	--	1	--	--	--	1
5000-5499G	--	--	--	--	--	--	--	--	--
5500-5999G	--	--	--	--	--	--	--	--	--
6000G OR MORE	--	--	--	--	--	--	--	--	--
UNKNOWN	--	--	--	--	1	--	--	--	1
TOTAL	3	3	2	2	30	0	0	12	52

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

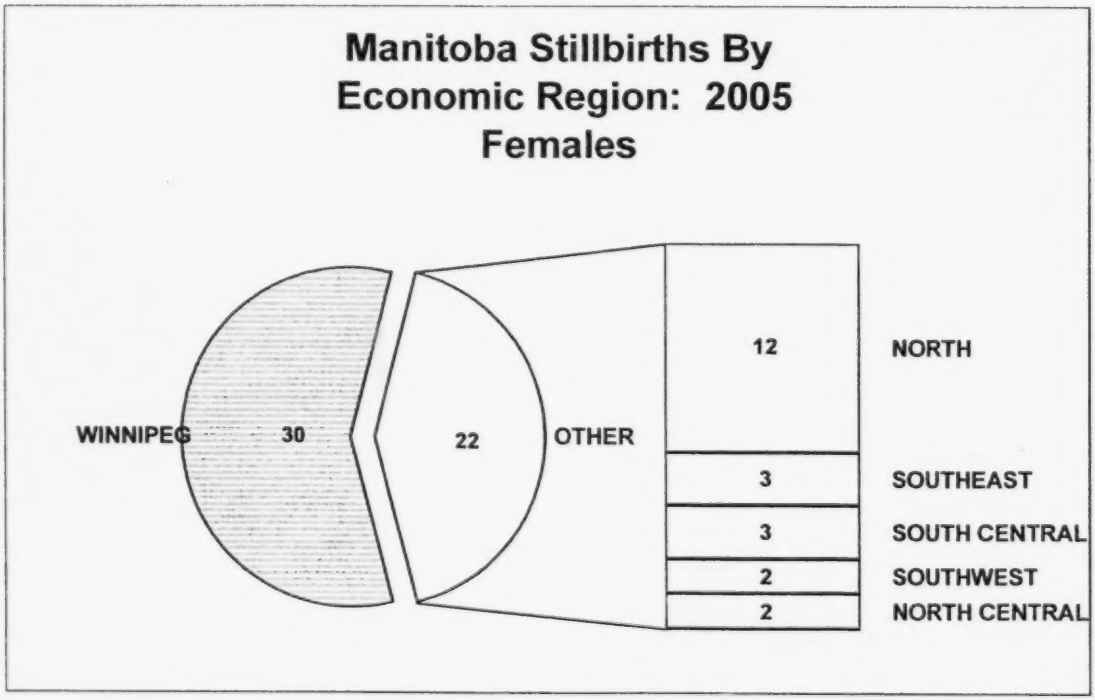


TABLE B2 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	1	–	2	1	9	1	1	2	17
500- 999G	–	–	2	2	7	–	–	3	14
1000-1499G	–	–	–	1	1	–	–	1	3
1500-1999G	–	2	1	–	3	–	–	–	6
2000-2499G	–	1	–	–	4	–	–	1	6
2500-2999G	–	–	–	–	3	–	–	1	4
3000-3499G	–	–	1	1	3	–	–	1	6
3500-3999G	–	–	–	–	–	–	–	1	1
4000-4499G	–	–	–	1	1	–	–	–	2
4500-4999G	–	1	–	–	–	–	–	–	1
5000-5499G	–	–	–	–	–	–	–	–	–
5500-5999G	–	–	–	–	–	–	–	–	–
6000G OR MORE	–	–	–	–	–	–	–	–	–
UNKNOWN	–	–	–	–	–	–	–	–	–
TOTAL	1	4	6	6	31	1	1	10	60

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

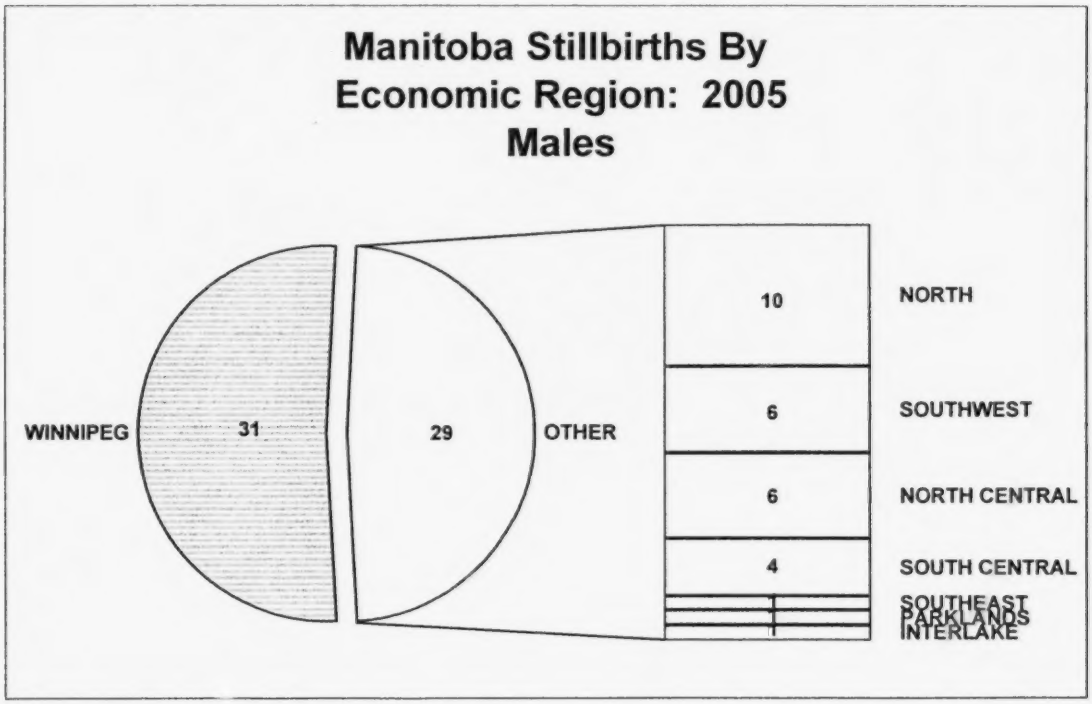
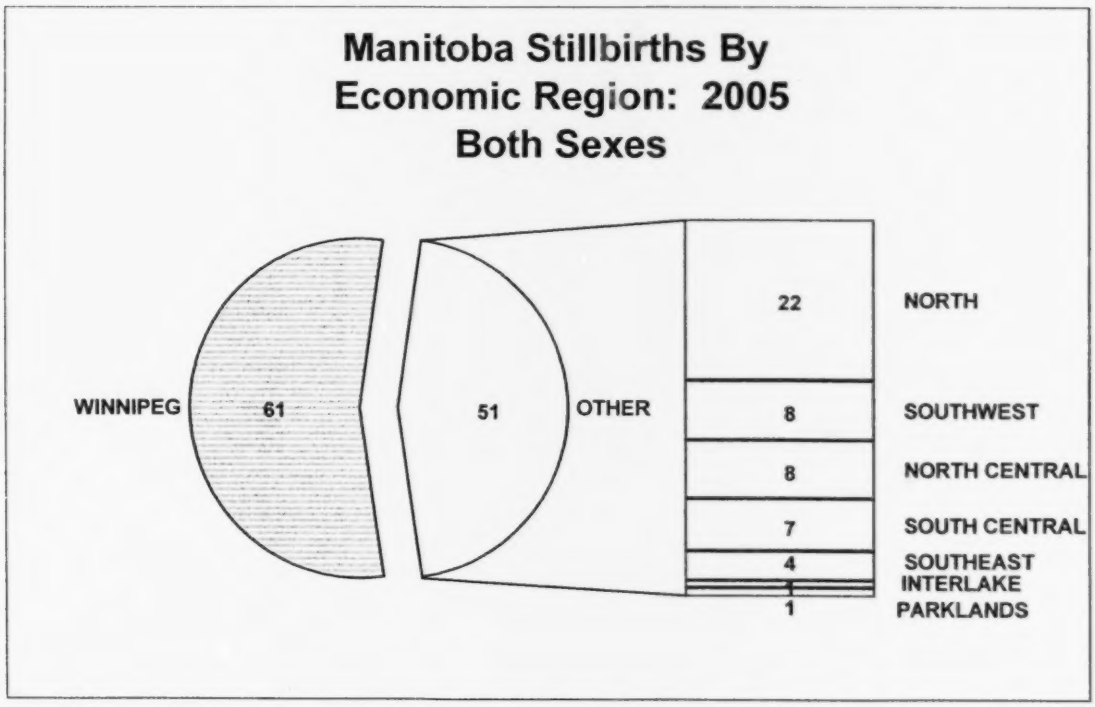


TABLE B3 STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 2005 BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	1	3	3	1	21	1	1	5	36
500- 999G	1	–	2	2	11	–	–	5	21
1000-1499G	–	–	–	1	2	–	–	3	6
1500-1999G	–	2	1	–	5	–	–	–	8
2000-2499G	1	1	–	–	4	–	–	3	9
2500-2999G	–	–	–	1	6	–	–	4	11
3000-3499G	–	–	2	1	6	–	–	1	10
3500-3999G	1	–	–	–	1	–	–	1	3
4000-4499G	–	–	–	2	3	–	–	–	5
4500-4999G	–	1	–	–	1	–	–	–	2
5000-5499G	–	–	–	–	–	–	–	–	–
5500-5999G	–	–	–	–	–	–	–	–	–
6000G OR MORE	–	–	–	–	–	–	–	–	–
UNKNOWN	–	–	–	–	1	–	–	–	1
TOTAL	4	7	8	8	61	1	1	22	112

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS



APPENDIX C

DEATHS BY AGE GROUP AND ECONOMIC REGION

TABLE C1 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2005 FEMALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	3	3	2	2	26	1	1	8	46
1-4	–	–	1	2	–	–	–	2	5
5-9	–	1	1	–	2	–	–	2	6
10-14	–	1	2	0	4	2	0	1	10
15-19	2	1	3	1	7	1	–	4	19
20-24	1	1	–	1	11	–	–	5	19
25-29	–	–	2	1	13	–	1	3	20
30-34	2	–	–	–	11	1	–	5	19
35-39	4	2	1	–	34	1	3	11	56
40-44	1	–	7	3	43	3	5	7	69
45-49	10	4	2	1	65	6	4	8	100
50-54	12	–	7	1	79	9	3	14	125
55-59	13	2	17	9	97	8	8	11	165
60-64	9	6	24	10	115	17	8	8	197
65-69	18	10	34	12	136	17	14	21	262
70-74	15	15	41	16	222	35	20	20	384
75-79	30	19	61	11	356	43	22	22	564
80-84	47	31	96	21	459	39	40	29	762
85-89	54	39	109	47	538	78	53	18	936
90 AND OVER	71	60	147	43	695	86	72	21	1,195
UNKNOWN	–	–	–	–	–	–	–	–	–
TOTAL	292	195	557	181	2,913	347	254	220	4,959

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

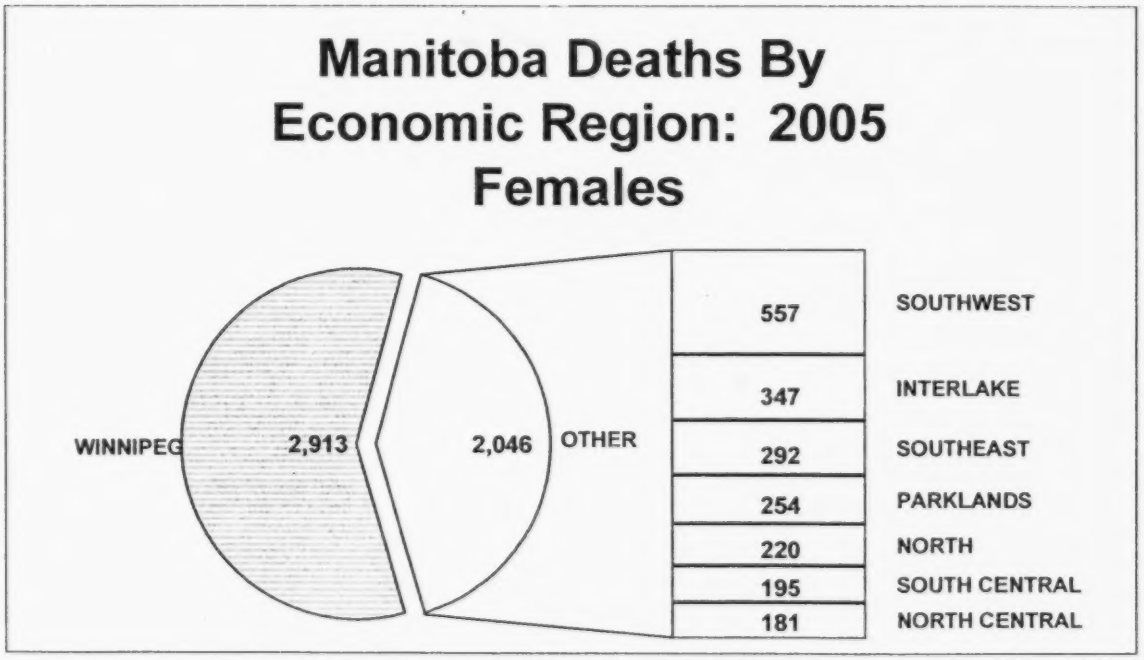


TABLE C2 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2005 MALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	2	1	5	1	24	--	4	8	45
1- 4	2	--	2	3	1	--	--	4	12
5- 9	1	1	--	1	3	--	--	2	8
10-14	3	--	--	1	2	1	1	6	14
15-19	5	3	1	1	12	3	1	15	41
20-24	2	2	4	1	25	2	--	8	44
25-29	2	1	2	1	17	3	1	17	44
30-34	2	1	3	2	24	2	1	6	41
35-39	2	1	4	--	24	5	1	6	43
40-44	6	1	11	6	42	4	2	13	85
45-49	11	5	10	6	77	13	7	10	139
50-54	16	8	18	6	111	15	9	14	197
55-59	18	8	15	6	130	20	10	21	228
60-64	26	8	24	9	147	24	8	28	274
65-69	23	10	24	17	208	32	25	34	373
70-74	42	18	43	19	308	59	36	29	554
75-79	42	33	99	28	364	65	42	38	711
80-84	59	48	100	30	446	70	45	25	823
85-89	51	34	71	33	332	37	42	10	610
90 AND OVER	39	26	86	23	258	40	39	16	527
TOTAL	354	209	522	194	2,555	395	274	310	4,813

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

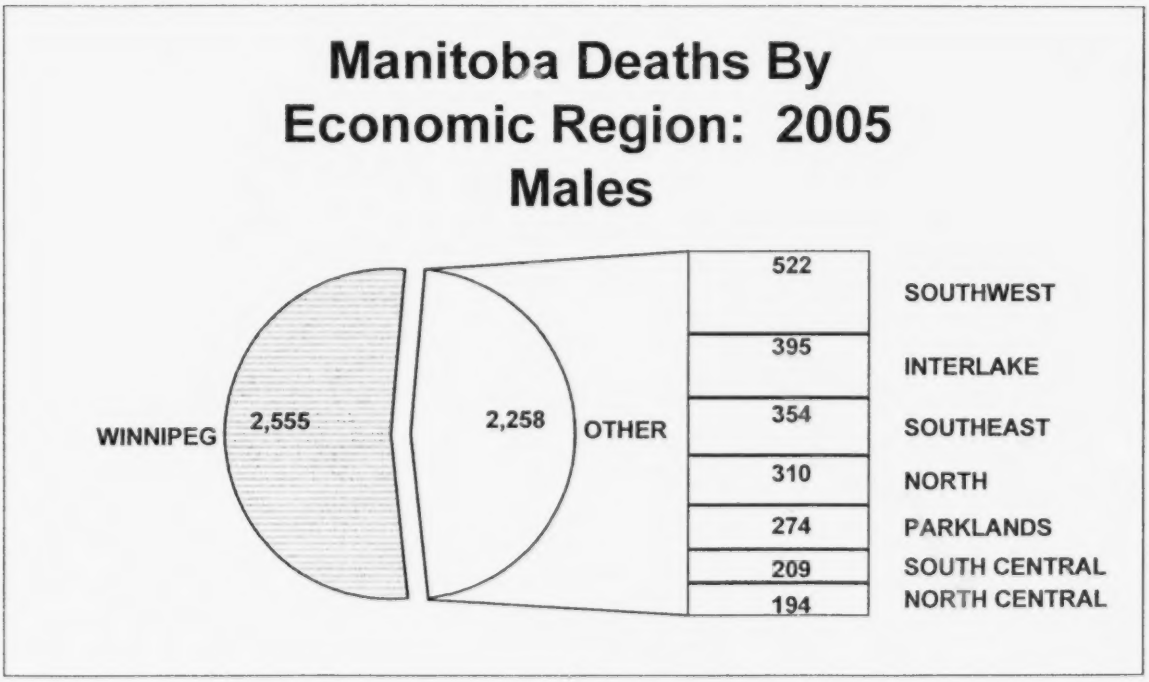
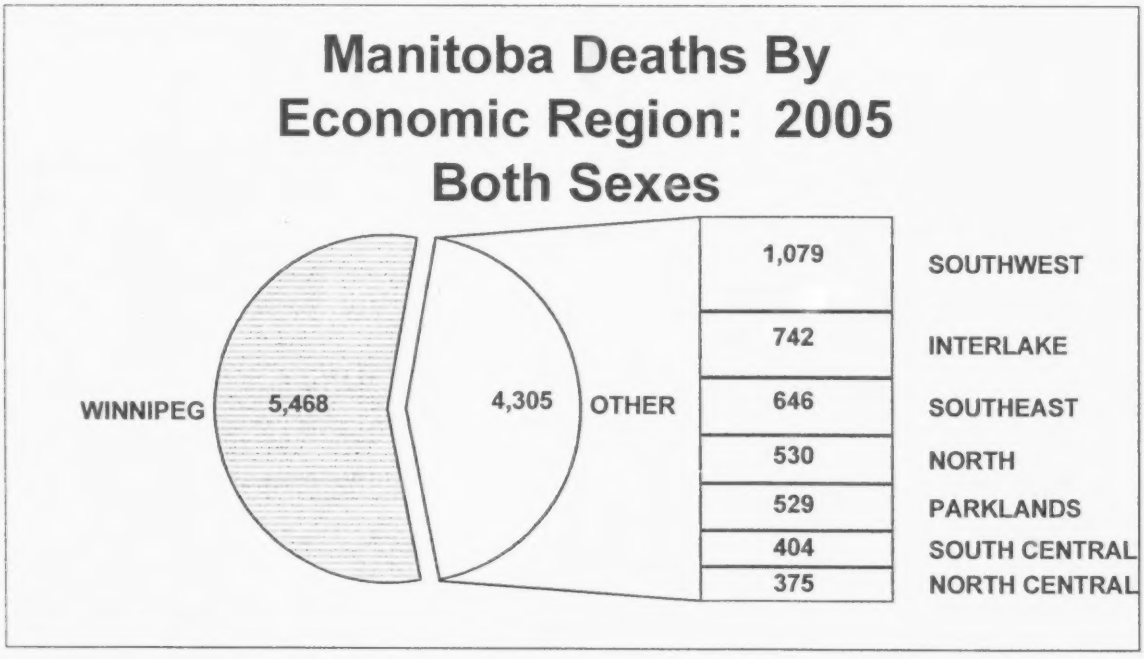


TABLE C3 DEATHS BY AGE GROUP AND ECONOMIC REGION: 2005 BOTH SEXES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	5	4	7	3	50	1	5	16	91
1-4	2	--	3	5	1	--	--	6	17
5-9	1	2	1	1	5	--	--	4	14
10-14	3	1	2	1	6	3	1	7	24
15-19	7	4	4	2	19	4	1	19	60
20-24	3	3	4	2	36	2	--	13	63
25-29	2	1	4	2	30	3	2	20	64
30-34	4	1	3	2	35	3	1	11	60
35-39	6	3	5	--	58	6	4	17	99
40-44	7	1	18	9	85	7	7	20	154
45-49	21	9	12	7	142	19	11	18	239
50-54	28	8	25	7	190	24	12	28	322
55-59	31	10	32	15	227	28	19	32	394
60-64	35	14	48	19	262	41	16	36	471
65-69	41	20	58	29	344	49	39	55	635
70-74	57	33	84	35	530	94	56	49	938
75-79	72	52	160	39	720	108	64	60	1,275
80-84	106	79	196	51	905	109	85	54	1,585
85-89	105	73	180	80	870	115	95	28	1,546
90 AND OVER	110	86	233	66	953	126	111	37	1,722
UNKNOWN	--	--	--	--	--	--	--	--	0
TOTAL	646	404	1,079	375	5,468	742	529	530	9,773

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS



APPENDIX D

INFANT DEATHS BY AGE AND ECONOMIC REGION

TABLE D1 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2005 FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	–	2	1	1	13	–	1	2	20
1 - 6 DAYS	2	–	1	–	6	–	–	1	10
7 - 13 DAYS	–	–	–	–	2	–	–	–	2
14 - 27 DAYS	–	–	–	1	2	–	–	–	3
28 - 91 DAYS	1	–	–	–	2	–	–	1	4
92 DAYS - 6 MONTHS	–	1	–	–	1	1	–	2	5
6 MONTHS - 1 YEAR	–	–	–	–	–	–	–	2	2
INFANT	3	3	2	2	26	1	1	8	46
NEONATAL	2	2	2	2	23	–	1	3	35
POST-NEONATAL	1	1	–	–	3	1	–	5	11
STILLBIRTHS	3	3	2	2	30	–	–	12	52
PERINATAL	5	5	4	3	49	–	1	15	82

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

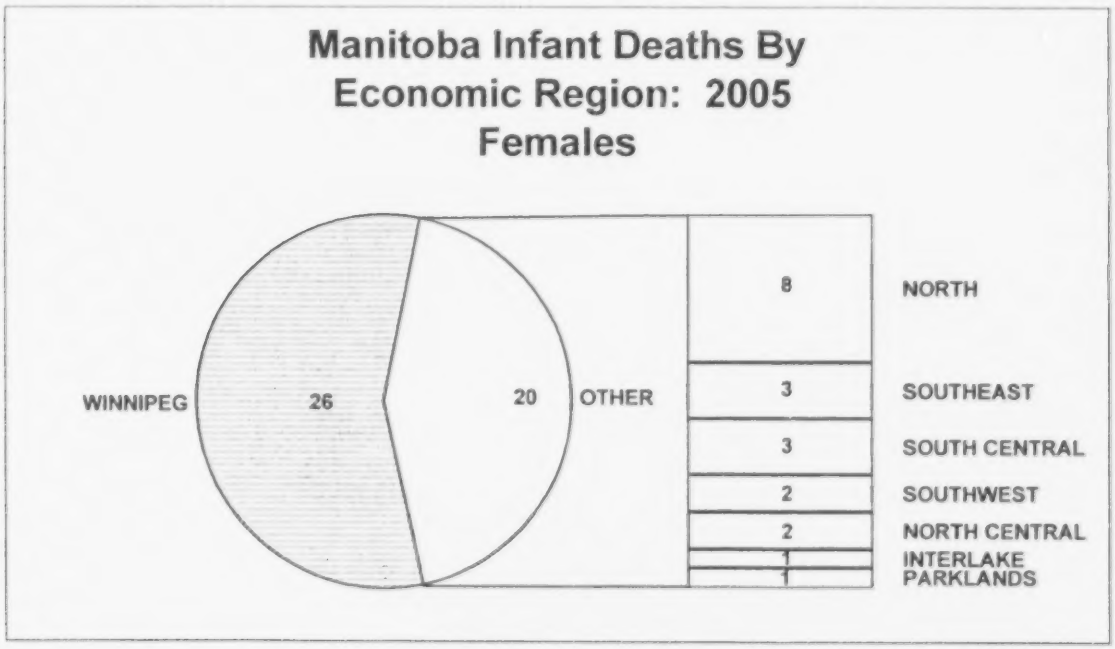


TABLE D2 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2005 MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	–	–	1	1	10	–	3	1	16
1 - 6 DAYS	1	–	1	–	4	–	–	2	8
7 - 13 DAYS	–	–	–	–	–	–	–	2	2
14 - 27 DAYS	–	1	1	–	2	–	–	–	4
28 - 91 DAYS	1	–	1	–	3	–	–	2	7
92 DAYS - 6 MONTHS	–	–	–	–	4	–	1	–	5
6 MONTHS - 1 YEAR	–	–	1	–	1	–	–	1	3
INFANT	2	1	5	1	24	–	4	8	45
NEONATAL	1	1	3	1	16	–	3	5	30
POST-NEONATAL	1	–	2	–	8	–	1	3	15
STILLBIRTHS	1	4	6	6	31	1	1	10	60
PERINATAL	2	4	8	7	45	1	4	13	84

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS

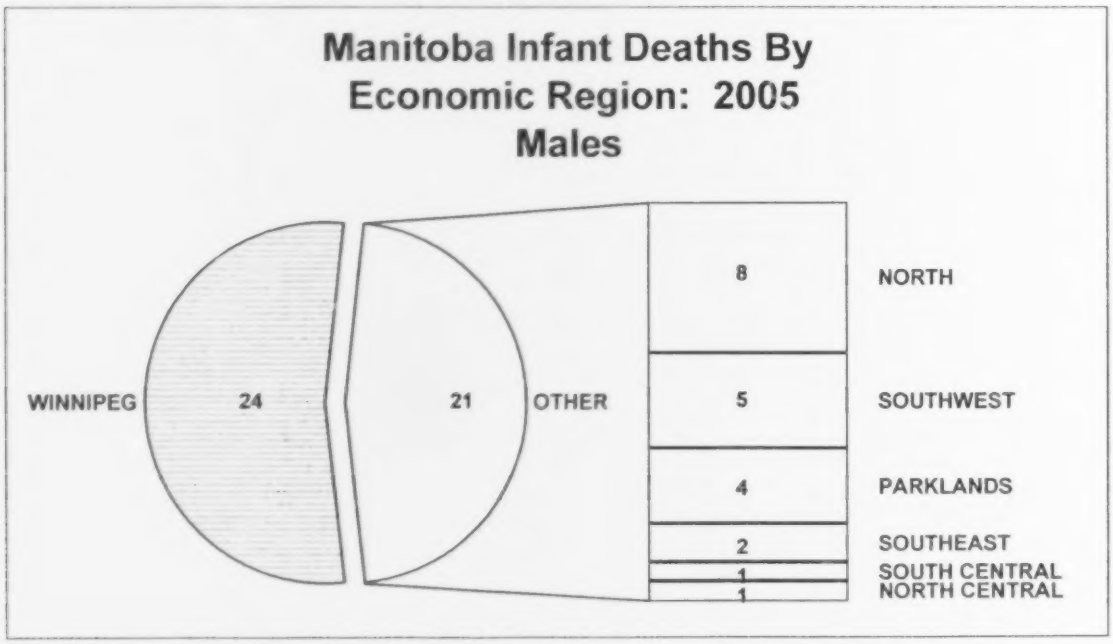


TABLE D3 INFANT DEATHS BY AGE AND ECONOMIC REGION: 2005 BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	--	2	2	2	23	--	4	3	36
1 - 6 DAYS	3	--	2	--	10	--	--	3	18
7 - 13 DAYS	--	--	--	--	2	--	--	2	4
14 - 27 DAYS	--	1	1	1	4	--	--	--	7
28 - 91 DAYS	2	--	1	--	5	--	--	3	11
92 DAYS - 6 MONTHS	--	1	--	--	5	1	1	2	10
6 MONTHS - 1 YEAR	--	--	1	--	1	--	--	3	5
INFANT	5	4	7	3	50	1	5	16	91
NEONATAL	3	3	5	3	39	--	4	8	65
POST-NEONATAL	2	1	2	--	11	1	1	8	26
STILLBIRTHS	4	7	8	8	61	1	1	22	112
PERINATAL	7	9	12	10	94	1	5	28	166

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA FINANCE

MANITOBA BUREAU OF STATISTICS